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Appendix H

Appendix H Sample Inventories

H Sample Inventories

The tables in this appendix provide detailed information concerning the samples collected for laboratory analysis in Phase 1A. Table H-1 is a listing of the samples by medium sampled. Within each medium, the samples are listed by field sample ID, with field QC samples (field duplicates, equipment rinsates, and trip blanks) also listed. For each sample, the date collected, Mitkem lab sample ID, and selected additional information and comments are also listed. Table H-2 is a list of the samples by medium and by Mitkem lab sample ID, and includes for each sample the date collected, the date the sample was received by Mitkem, and the date Mitkem issued an initial data report for the sample to Shield.

Table H-3 provides additional information for each sample location. The table is organized by medium, with the field QC samples (equipment rinsates and trip blanks) moved to the end, as follows:

- Air
- Ground Water Leachate
- Ground Water
- Surface Water
- Sediment
- Surface Soil
- Waste Soil
- Subsurface Soil
- Equipment Rinsates
- Trip Blanks

Within Table H-3, the samples are arranged in columnar format, with the following provided for each sample:

- Location - an identifying code for different areas of the site, as follows:
  - QW - Quinnville Wellfield (considered background for surface soil sampling locations)
  - LF - Landfill
  - DF1-3 - Debris Field 1 to 3
  - DF4 - Debris Field 4
  - NP - Nunes Property (former transfer station)
  - UI - Unnamed Island
  - WT - Wetlands

- Group - a further subdivision used for some areas of the site, as shown on Plate 1, specifically:

- WT-A, B, C, D - subdivided areas of the wetlands, from southeast to northwest
- LF-Pond B, Pond C - ponds at the toe of the landfill
- UI-Pond A, Pond D, Pond E, Exc. Pond - ponds on the Unnamed Island including a small pond near the former abandoned excavator (Exc.)
- BR-Pond F - pond behind Pratt Dam off of the Blackstone River.

- Station - a specific location descriptor, where applicable. Specifically:

  - Each ground water sample has the name of the well sampled as a station name.
  - Each surface water and sediment sample collected from the Blackstone River has a station name of the format: AD+/-XXXXXA/B, in which XXXXX is the distance in feet from Ashton Dam, + means downstream, - means upstream, A means main channel, and B means back channel (southwest of Unnamed Island).

- Field Sample ID - the sample identifier assigned to the sample in the field by Shield.

- RISP East and RISP North - sample location coordinates in feet, referenced to the Rhode Island State Plane Coordinate System.

- Sample Location Description - a detailed description fo the sampling location.

- Lithologic Description (sediment and soil samples only) - field description of soil characteristics.

- Date Collected - date sample was collected in the field.

- Comments - additional information concerning the sample, to explain unusual circumstances such as re-sampling.

- Laboratory - Lab No. 1 refers to the lab performing the chemical analyses: Mitkem Corporation (Mikem) of Warwick, Rhode Island and its subcontractors, for chemical analyses of all samples except the air samples; and Severn Trent Laboratories of Los Angeles, California (STL LA) for the air samples. Lab No. 2 refers to Shield Engineering, Inc. (SEI) of Charlotte, North Carolina, where the geotechnical tests were performed.

- SDG# - Sample Delivery Group number.

- Lab sample ID - sample ID assigned by laboratory.
- Lab Received - date sample was received by laboratory.
- Lab Reported - date sample results were initially reported to Shield.
- Analyses - list of analyses performed, by parameter group (method), on each sample.

Within each medium, the samples in Table H-3 have been sorted first by Location, second by Group, and third by Station, with field duplicates appearing immediately after the original sample that they duplicate. Sample results are presented in the same order in Table H-3 as in the summary tables in Appendix J.

Table H-1
Summary of Phase 1A Samples by Field Sample ID
Peterson/Puritan OU2

Field Sample ID	Field QC Code	Loca-tion Name	Group	Station	Sample Location Description	Date Collected	Lab No. 1	Lab No. 2	Mitkem Lab Sample ID	Comments
Air										
AR-001-LF	---	LF	---	Vent #1	Landfill Vent #1	10/7/2003	STL-LA	---	---	---
AR-002-LF	---	LF	---	Vent #5	Landfill Vent #5	10/7/2003	STL-LA	---	---	---
AR-003-LF	---	LF	---	Vent #2	Landfill Vent #2	10/7/2003	STL-LA	---	---	---
AR-FD1	FD	LF	---	Vent #1	Landfill Vent #1, same as AR-001	10/7/2003	STL-LA	---	---	---
Ground Water Leachate										
GW-LE01-UI	MS/MSD	UI	---	UI-TT-O6	Test Trench UI-TT-06	8/19/2003	Mitkem	---	B1315-03	---
GW-LE02-UI	---	UI	---	UI-TT-10	Test Trench UI-TT-10	8/19/2003	Mitkem	---	B1315-04	---
GW-LE3-LF	---	LF	---	LF-TT-02	Test Trench LF-TT-02	8/21/2003	Mitkem	---	B1315-08	---
GW-LE4-LF	---	LF	---	LF-TT-04	Test Trench LF-TT-04	8/21/2003	Mitkem	---	B1315-09	---
GW-LE5-LF	---	LF	---	LF-TT-07	Test Trench LF-TT-07	8/22/2003	Mitkem	---	B1315-11	---
GW-LE6-LF	---	LF	---	LF-TT-09	Test Trench LF-TT-09	8/22/2003	Mitkem	---	B1315-12	---
GW-FD01	FD	UI	---	UI-TT-06	Trest Trench UI-TT-06, same as GW-LE01-UI	8/19/2003	Mitkem	---	B1315-05	---
GW-ER1	ER	---	---	GW-ER1	After GW-LE01 before GW-LE02-UI	8/19/2003	Mitkem	---	B1315-01	Did not use VOA-free water
GW-ER1	ER	---	---	GW-ER1	After GW-LE01 before GW-LE02-UI	8/22/2003	Mitkem	---	B1315-13	Re-collected ER using VOA-free water
GW-TB01	TB	---	---	GW-TB01	Trip Blank for GW-ER01	8/19/2003	Mitkem	---	B1315-02	---
GW-TB02	TB	---	---	GW-TB02	Trip Blank for GWLE01	8/19/2003	Mitkem	---	B1315-06	---
GW-TB03	TB	---	---	GW-TB03	Trip Blank GW-LE5, GW-LE6	8/19/2003	---	---	---	In Shield log, not received at Laboratory
GW-TB-04	TB	---	---	GW-TB-04	Trip Blank for GW-FD01	8/19/2003	Mitkem	---	B1315-07	---
GW-TB05	TB	---	---	GW-TB05	Trip Blank GW-LE3, GW-LE4	8/21/2003	Mitkem	---	B1315-10	---
GW-TB06	TB	---	---	GW-TB06	Trip Blank GW-LE5, GW-LE6	8/22/2003	Mitkem	---	B1315-13	---
Ground Water										
GW-001-LF	---	LF	---	MW-109A	MW-109A	9/29/2003	Mitkem	---	B1552-03	---
GW-002-LF	MS/MSD	LF	---	MW-B2	MW-B2	9/29/2003	Mitkem	---	B1552-01	---
GW-003-LF	---	LF	---	MW-109AA	MW-109AA	9/30/2003	Mitkem	---	B1552-05	---
GW-004-WT	---	WT	A	MW-110A	MW-110A	9/30/2003	Mitkem	---	B1552-06	---
GW-005-WT	---	WT	A	MW-110B	MW-110B	9/30/2003	Mitkem	---	B1552-07	---
GW-006-LF	---	LF	---	MW-C2	MW-C2	9/30/2003	Mitkem	---	B1552-12	---
GW-007-LF	---	LF	---	MW-C1	MW-C1	9/30/2003	Mitkem	---	B1552-13	---
GW-008-LF	---	LF	---	MW-B1	MW-B1	10/1/2003	Mitkem	---	B1552-24	---
GW-009-DF	---	DF1-3	---	MW-106A	MW-106A	10/2/2003	Mitkem	---	B1552-18	---
GW-010-LF	---	LF	---	MW-108A	MW-108A	10/1/2003	Mitkem	---	B1552-20	---
GW-011-LF	---	LF	---	MW-108AA	MW-108AA	10/1/2003	Mitkem	---	B1552-21	---
GW-012-QW	---	QW	---	MW-A2	MW-A2	10/1/2003	Mitkem	---	B1552-22	---
GW-013-QW	---	QW	---	GZ-4-1	GZ-4-1	10/1/2003	Mitkem	---	B1552-23	---
GW-014-LF	---	LF	---	P-7	P-7	10/2/2003	Mitkem	---	B1587-17	---
GW-015-WT	---	WT	A	MW-111AA	MW-111AA	10/2/2003	Mitkem	---	B1552-15	---
GW-016-WT	---	WT	A	MW-111A	MW-111A	10/2/2003	Mitkem	---	B1552-16	---
GW-017-LF	---	LF	---	SEA-601	SEA-601	10/2/2003	Mitkem	---	B1587-18	---
GW-018-LF	---	LF	---	P-8	P-8	10/2/2003	Mitkem	---	B1552-14	---
GW-019-NP	---	NP	---	MW-112A	MW-112A	10/2/2003	Mitkem	---	B1587-16	---
GW-020-NP	---	NP	---	MW-112AA	MW-112AA	10/3/2003	Mitkem	---	B1587-14	---
GW-021-LF	---	LF	---	SEA-603	SEA-603	10/3/2003	Mitkem	---	B1587-12	---
GW-022-LF	---	LF	---	SEA-602A	SEA-602A	10/3/2003	Mitkem	---	B1587-10	---
GW-023-LF	MS/MSD	LF	---	SEA-602B	SEA-602B	10/3/2003	Mitkem	---	B1587-11	---
GW-024-NP	---	NP	---	SEA-606	SEA-606	10/4/2003	Mitkem	---	B1587-04	---
GW-025-UI	---	UI	---	SEA-607	SEA-607	10/3/2003	Mitkem	---	B1587-06	---
GW-026-UI	---	UI	---	SEA-608	SEA-608	10/3/2003	Mitkem	---	B1587-07	---
GW-027-LF	---	LF	---	SEA-604	SEA-604	10/4/2003	Mitkem	---	B1587-02	---

Table H-1
Summary of Phase 1A Samples by Field Sample ID
Peterson/Puritan OU2

Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Lab No. 1	Lab No. 2	Mitkem Lab Sample ID	Comments
GW-028-LF	---	LF	---	SEA-605	SEA-605	10/4/2003	Mitkem	---	B1587-03	---
GW-FD02	FD	WT	A	MW-110B	MW-110B, same as GW-005-WT	9/30/2003	Mitkem	---	B1552-08	---
GW-FD03	FD	UI	---	SEA-608	SEA-608, same as GW-026-UI	10/3/2003	Mitkem	---	B1587-08	---
GW-ER-002	ER	---	---	GW-ER-002	After MW-B2, before MW-C2	9/30/2003	Mitkem	---	B1552-10	---
GW-ER-03	ER	---	---	GW-ER-03	After SEA-602B before SEA-604	10/4/2003	Mitkem	---	B1587-01	---
GW-TB07	TB	---	---	GW-TB07	Trip Blank GW-001	9/29/2003	Mitkem	---	B1552-04	---
GW-TB08	TB	---	---	GW-TB08	Trip Blank GW-002	9/29/2003	Mitkem	---	B1552-02	---
GW-TB09	TB	---	---	GW-TB09	Trip Blank GW-003 thru GW-005	9/30/2003	Mitkem	---	B1552-09	---
GW-TB-010	TB	---	---	GW-TB-010	Trip Blank for GW-ER02, GW-006	9/30/2003	Mitkem	---	B1552-11	Different than sample GW-TB10
GW-TB10	TB	---	---	GW-TB10	Trip Blank GW-009 thru GW-011	10/1/2003	Mitkem	---	B1552-19	Different than sample GW-TB-010
GW-TB11	TB	---	---	GW-TB11	Trip Blank GW-008, GW-012, GW-013	10/1/2003	Mitkem	---	B1552-25	---
GW-TB12	TB	---	---	GW-TB12	Trip Blank GW-015, GW-016, GW-018	10/2/2003	Mitkem	---	B1552-17	---
GW-TB13	TB	---	---	GW-TB13	Trip Blank GW-014, GW-017, GW-019	10/2/2003	Mitkem	---	B1587-15	---
GW-TB14	TB	---	---	GW-TB14	Trip Blank GW-021, GW-022	10/3/2003	Mitkem	---	B1587-13	---
GW-TB15	TB	---	---	GW-TB15	Trip Blank GW-022, GW-023, GW-025, GW-026	10/3/2003	Mitkem	---	B1587-09	---
GW-TB16	TB	---	---	GW-TB16	Trip Blank GW-ER03, GW-024, GW-027, GW-028	10/4/2003	Mitkem	---	B1587-05	---
Surface Water										
SW-001-UI	---	UI	Pond E	SW-001-UI	Pond E	8/28/2003	Mitkem	---	B1373-01	---
SW-002-UI	---	UI	Pond A	SW-002-UI	Middle of Pond A	8/28/2003	Mitkem	---	B1373-02	---
SW-003-UI	---	UI	Pond A	SW-003-UI	South shore of Pond A near PZ-09	8/29/2003	Mitkem	---	B1373-05	---
SW-004-UI	---	UI	Exc Pond	---	Excavator Pond	8/29/2003	---	---	---	No standing water, no surface water sample collected
SW-005-UI	---	UI	Pond A	SW-005-UI	West shore of Pond A	8/29/2003	Mitkem	---	B1373-06	---
SW-006-UI	---	UI	Pond A	SW-006-UI	Southeast shore of Pond A	8/29/2003	Mitkem	---	B1373-07	---
SW-007-UI	---	UI	Pond D	SW-007-UI	Pond D	9/2/2003	Mitkem	---	B1373-12	---
SW-008-BR	---	BR	Pond F	SW-008-BR	Pond F	9/2/2003	Mitkem	---	B1373-13	---
SW-009-WT	---	WT	A	SW-009-WT	East pond near PZ-10	9/3/2003	Mitkem	---	B1373-15	---
SW-010-WT	---	WT	B	SW-010-WT	Northeast shore, downstream of Panda culvert	9/3/2003	Mitkem	---	B1373-16	---
SW-011-WT	---	WT	B	SW-011-WT	Mid-pond southeast end	9/3/2003	Mitkem	---	B1373-17	---
SW-012-WT	---	WT	C	SW-012-WT	Mid-pond, northeast area	9/3/2003	Mitkem	---	B1406-01	---
SW-013-WT	---	WT	B	SW-013-WT	Southwest shore along RR, near PZ-11	9/4/2003	Mitkem	---	B1406-02	---
SW-014-WT	---	WT	B	SW-014-WT	North shore near PZ-13	9/4/2003	Mitkem	---	B1406-03	---
SW-015-WT	---	WT	B	SW-015-WT	Monastery Brook upstream of road	9/4/2003	Mitkem	---	B1406-04	---
SW-016-WT	---	WT	D	SW-016-WT	North end near PZ-15	9/4/2003	Mitkem	---	B1406-05	---
SW-017-WT	---	WT	C	SW-017-WT	Southwest shore along RR, near PZ-12	9/5/2003	Mitkem	---	B1406-07	---
SW-018-WT	---	WT	C	SE-018-WT	Southwest shore along RR, northwest of PZ-12	9/5/2003	---	---	---	No standing water, no surface water sample collected
SW-019-WT	---	LF	Pond B	SE-019-LF	Pond B near PZ-03	9/5/2003	---	---	---	No standing water, no surface water sample collected
SW-020-LF	---	LF	Pond C	SW-020-LF	Pond C	9/5/2003	Mitkem	---	B1406-08	Labeled SW-020-WT on sample submitted to lab
SW-021-NP	---	BR	NP	AD+13500	Inlet off Blackstone River adjacent to transfer sta.	9/5/2003	Mitkem	---	B1406-10	Labeled SW-021-WT on sample submitted to lab
SW-022-BR	---	BR	---	AD-00250	Most Upstream Blackstone River	9/5/2003	Mitkem	---	B1406-12	Collected re-sample for VOAs on 9/8/2003 (SW-022A-BR)
SW-023-BR	---	BR	---	AD+13200B	Back channel, downstream end	9/6/2003	Mitkem	---	B1406-13	---
SW-024-BR	---	BR	---	AD+12700B	Back channel, midway down unnamed island	9/6/2003	Mitkem	---	B1406-14	---
SW-025-BR	---	BR	---	AD+11700B	Back channel, upstream end	9/6/2003	Mitkem	---	B1406-15	---
SW-026-BR	---	BR	---	AD+14200A	Upstream of Pratt Dam	9/8/2003	Mitkem	---	B1406-17	---
SW-027-BR	---	BR	---	AD+13100A	Main channel near MW-111	9/8/2003	Mitkem	---	B1406-19	---
SW-028-BR	MS/MSD	BR	---	AD+12500A	Main channel near PZ-01	9/8/2003	Mitkem	---	B1406-20	---
SW-029-BR	---	BR	---	AD+11750A	Main channel near Pond C	9/9/2003	Mitkem	---	B1429-01	---
SW-030-BR	MS/MSD	BR	---	AD+11050	Near Pond B	9/9/2003	Mitkem	---	B1429-03	---
SW-031-BR	---	BR	---	AD+10300	Near P-8	9/9/2003	Mitkem	---	B1429-07	---
SW-032-BR	---	BR	---	AD+08400	Near MW-106	9/10/2003	Mitkem	---	B1429-08	---
SW-033-BR	---	BR	---	AD+07200	Near P-5	9/10/2003	Mitkem	---	B1429-10	---

Table H-1
Summary of Phase 1A Samples by Field Sample ID
Peterson/Puritan OU2

Field Sample ID	Field QC Code	Loca-tion Name	Group	Station	Sample Location Description	Date Collected	Lab No. 1	Lab No. 2	Mitkem Lab Sample ID	Comments
SW-034-BR	---	BR	---	AD+05550	Downstream of Martin Street	9/10/2003	Mitkem	---	B1429-15	---
SW-FD01	FD	UI	Pond A	SW-003-UI	UI-Shore of Pond A, same as SE-003-UI	8/29/2003	Mitkem	---	B1373-08	---
SW-FD-02	FD	BR	---	AD+14200A	Composite, same as SE-026-BR	9/8/2003	Mitkem	---	B1406-18	---
SW-FD-03	FD	BR	---	AD+11750A	Main channel near Pond C, same as SE-029-BR	9/9/2003	Mitkem	---	B1429-02	---
SW-ER01	ER	---	---	SW-ER01	After SW-001-UI, before SW-002	8/28/2003	Mitkem	---	B1373-03	---
SW-ER02	ER	---	---	SW-ER02	After SW-028-BR, before SW-029	9/8/2003	Mitkem	---	B1406-21	---
SW-ER03	ER	---	---	SW-ER03	After SW-032-BR, before SW-033	9/10/2003	Mitkem	---	B1429-09	---
SW-TB01	TB	---	---	SW-TB01	Trip Blank SW-001, SW-002	8/28/2003	Mitkem	---	B1373-04	---
SW-TB02	TB	---	---	SW-TB02	Trip Blank SW-003	8/29/2003	Mitkem	---	B1373-09	---
SW-TB03	TB	---	---	SW-TB03	Trip Blank SW-005	8/29/2003	Mitkem	---	B1373-10	---
SW-TB04	TB	---	---	SW-TB04	Trip Blank SW-006	8/29/2003	Mitkem	---	B1373-11	---
SW-TB-05	TB	---	---	SW-TB-05	Trip Blank SW-007, SW-008	9/2/2003	Mitkem	---	B1373-14	---
SW-TB06	TB	---	---	SW-TB06	Trip Blank SW-009	9/3/2003	Mitkem	---	B1373-18	---
SW-TB07	TB	---	---	SW-TB07	Trip Blank SW-010, SW-011	9/3/2003	Mitkem	---	B1373-19	---
SW-TB08	TB	---	---	SW-TB08	Trip Blank SW-012, thru SW-016	9/3/2003	Mitkem	---	B1406-06	---
SW-TB09	TB	---	---	SW-TB09	Trip Blank SW-017 thru SW-021	9/5/2003	Mitkem	---	B1406-09	---
SW-TB-10	TB	---	---	SW-TB-10	Trip Blank SW-022 thru SW-025	9/6/2003	Mitkem	---	B1406-11	---
SW-TB-11	TB	---	---	SW-TB-11	Trip Blank SW-026, SW-FD02	9/8/2003	Mitkem	---	B1406-16	---
SW-TB12	TB	---	---	SW-TB12	Trip Blank SW-027	9/8/2003	Mitkem	---	B1406-22	---
SW-TB-13	TB	---	---	SW-TB-13	Trip Blank SW-028	9/8/2003	Mitkem	---	B1406-23	---
SW-TB-14	TB	---	---	SW-TB-14	Trip Blank SW-028	9/8/2003	Mitkem	---	B1406-24	---
SW-TB-15	TB	---	---	SW-TB-15	Trip Blank SW-029	9/9/2003	Mitkem	---	B1429-04	---
SW-TB-16	TB	---	---	SW-TB-16	Trip Blank SW-FD03	9/9/2003	Mitkem	---	B1429-05	---
SW-TB-17	TB	---	---	SW-TB-17	Trip Blank SW-030	9/9/2003	Mitkem	---	B1429-06	---
SW-TB18	TB	---	---	SW-TB18	Trip Blank SW-031	9/10/2003	Mitkem	---	B1429-11	---
SW-TB19	TB	---	---	SW-TB19	Trip Blank SW-032	9/10/2003	Mitkem	---	B1429-12	---
SW-TB20	TB	---	---	SW-TB20	Trip Blank SW-ER03	9/10/2003	Mitkem	---	B1429-13	---
SW-TB21	TB	---	---	SW-TB21	Trip Blank SW-033	9/10/2003	Mitkem	---	B1429-14	---
SW-TB22	TB	---	---	SW-TB22	Trip Blank SW-034	9/10/2003	Mitkem	---	B1429-16	---
Sediment										
SE-001-UI	MS/MSD	UI	Pond E	SE-001-UI	Pond E	8/28/2003	Mitkem	SEI	B1378-01	---
SE-002-UI	---	UI	Pond A	SE-002-UI	Middle of Pond A	8/28/2003	Mitkem	SEI	B1378-02	---
SE-003-UI	---	UI	Pond A	SE-003-UI	UI-Shore of Pond A	8/29/2003	Mitkem	SEI	B1378-04	---
SE-004-UI	---	UI	Exc Pond	SE-004-UI	Excavator Pond	8/29/2003	Mitkem	SEI	B1378-05	No standing water
SE-005-UI	---	UI	Pond A	SE-005-UI	West shore of Pond A	8/29/2003	Mitkem	SEI	B1378-06	---
SE-006-UI	---	UI	Pond A	SE-006-UI	Southeast shore of Pond A	8/29/2003	Mitkem	SEI	B1378-07	---
SE-007-UI	---	UI	Pond D	SE-007-UI	Pond D	9/2/2003	Mitkem	SEI	B1378-11	---
SE-008-BR	---	BR	Pond F	SE-008-BR	Pond F	9/2/2003	Mitkem	SEI	B1378-12	---
SE-009-WT	---	WT	A	SE-009-WT	East pond near PZ-10	9/3/2003	Mitkem	SEI	B1405-01	---
SE-010-WT	---	WT	B	SE-010-WT	Northeast shore, downstream of Panda culvert	9/3/2003	Mitkem	SEI	B1405-02	---
SE-011-WT	---	WT	B	SE-011-WT	Mid-pond southeast end	9/3/2003	Mitkem	SEI	B1405-03	---
SE-012-WT	---	WT	C	SE-012-WT	Mid-pond, northeast area	9/3/2003	Mitkem	SEI	B1405-05	---
SE-013-WT	---	WT	B	SE-013-WT	Southwest shore along RR, near PZ-11	9/4/2003	Mitkem	SEI	B1405-06	---
SE-014-WT	---	WT	C	SE-014-WT	North shore near PZ-13	9/4/2003	Mitkem	SEI	B1405-07	---
SE-015-WT	---	WT	C	SE-015-WT	Monastery Brook upstream of road	9/4/2003	Mitkem	SEI	B1405-08	---
SE-016-WT	---	WT	D	SE-016-WT	North end near PZ-15	9/4/2003	Mitkem	SEI	B1405-09	---
SE-017-WT	---	WT	C	SE-017-WT	Southwest shore along RR, near PZ-12	9/5/2003	Mitkem	SEI	B1405-10	---
SE-018-WT	---	WT	C	SE-018-WT	Southwest shore along RR, northwest of PZ-12	9/5/2003	Mitkem	SEI	B1405-11	No standing water
SE-019-LF	---	LF	Pond B	SE-019-LF	Pond B near PZ-03	9/5/2003	Mitkem	SEI	B1405-12	No standing water
SE-020-LF	---	LF	Pond C	SE-020-LF	Pond C	9/5/2003	Mitkem	SEI	B1405-13	---

Table H-1
Summary of Phase 1A Samples by Field Sample ID
Peterson/Puritan OU2

Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Lab No. 1	Lab No. 2	Mitkem Lab Sample ID	Comments
SE-021-NP	---	BR	---	AD+13500	Inlet off Blackstone River adjacent to transfer sta.	9/5/2003	Mitkem	SEI	B1405-15	---
SE-022-BR	---	BR	---	AD-00250	Most Upstream Blackstone River	9/5/2003	Mitkem	SEI	B1405-16	Collected re-sample for VOAs on 9/8/2003 (SE-022A-BR)
SE-023-BR	---	BR	---	AD+13200B	Composite, back channel downstream end	9/6/2003	Mitkem	SEI	B1405-17	---
SE-024-BR	---	BR	---	AD+12700B	Back channel, midway down unnamed island	9/6/2003	Mitkem	SEI	B1405-18	---
SE-025-BR	---	BR	---	AD+11700B	Back channel, upstream end	9/6/2003	Mitkem	SEI	B1405-19	---
SE-026-BR	---	BR	---	AD+14200A	Composite, upstream of Pratt Dam	9/8/2003	Mitkem	SEI	B1405-21	---
SE-027-BR	---	BR	---	AD+13100A	Main channel near MW-111	9/8/2003	Mitkem	SEI	B1405-23	---
SE-028-BR	MS/MSD	BR	---	AD+12500A	Main channel near PZ-01	9/8/2003	Mitkem	SEI	B1405-24	---
SE-029-BR	---	BR	---	AD+11750A	Main channel near Pond C	9/9/2003	Mitkem	SEI	B1428-01	---
SE-030-BR	---	BR	---	AD+11050	Near Pond B	9/9/2003	Mitkem	SEI	B1428-03	---
SE-031-BR	---	BR	---	AD+10300	Near P-8	9/9/2003	Mitkem	SEI	B1428-05	---
SE-032-BR	---	BR	---	AD+08400	Near MW-106	9/10/2003	Mitkem	SEI	B1428-06	---
SE-033-BR	---	BR	---	AD+07200	Near P-5	9/10/2003	Mitkem	SEI	B1428-08	---
SE-034-BR	---	BR	---	AD+05550	Downstream of Martin Street	9/10/2003	Mitkem	SEI	B1428-10	---
SE-FD01	FD	UI	Pond A	SE-003-UI	UI-Shore of Pond A, same as SE-003-UI	8/29/2003	Mitkem	---	B1378-08	---
SE-FD-02	FD	BR	---	AD+14200A	Composite, same as SE-026-BR	9/8/2003	Mitkem	SEI	B1405-22	---
SE-FD03	FD	BR	---	AD+11750A	Main channel near Pond C, same as SE-029-BR	9/9/2003	Mitkem	SEI	B1428-02	---
SE-ER01	ER	---	---	SE-ER01	After SW-006-UI, before SW-007	8/29/2003	Mitkem	---	B1378-09	---
SE-ER02	ER	---	---	SE-ER02	After SE-028-BR, before SE-029	9/8/2003	Mitkem	---	B1405-25	---
SE-ER03	ER	---	---	SE-ER03	After SE-032-BR, before SE-033	9/10/2003	Mitkem	---	B1428-07	---
SE-TB01	TB	---	---	SE-TB01	Trip Blank SE-001, SE-002	8/28/2003	Mitkem	---	B1378-03	---
SE-TB02	TB	---	---	SE-TB02	Trip Blank SE-003 thru SE-006, SE-ER01, SE-FD01	8/28/2003	Mitkem	---	B1378-10	---
SE-TB03	TB	---	---	SE-TB03	Trip Blank SE-007, SE-008	9/2/2003	Mitkem	---	B1378-13	---
SE-TB04	TB	---	---	SE-TB04	Trip Blank SE-009 thru SE-016	9/3/2003	Mitkem	---	B1405-04	---
SE-TB05	TB	---	---	SE-TB05	Trip Blank SE-017 thru SE-021	9/5/2003	Mitkem	---	B1405-14	---
SE-TB-06	TB	---	---	SE-TB-06	Trip Blank SE-022 thru SE-025	9/6/2003	Mitkem	---	---	In Shield log, not received at Laboratory
SE-TB-07	TB	---	---	SE-TB-07	Trip Blank SE-026, FD-02	9/8/2003	Mitkem	---	B1405-20	---
SE-TB08	TB	---	---	SE-TB08	Trip Blank SE-027	9/8/2003	Mitkem	---	B1405-26	---
SE-TB09	TB	---	---	SE-TB09	Trip Blank SE-028	9/8/2003	Mitkem	---	B1405-27	---
SE-TB10	TB	---	---	SE-TB10	Trip Blank SE-029, SE-FD03, SE-030	9/9/2003	Mitkem	---	B1428-04	---
SE-TB11	TB	---	---	SE-TB11	Trip Blank SE-031 thru SE-033, SE-ER03	9/10/2003	Mitkem	---	B1428-09	---
SE-TB12	TB	---	---	SE-TB12	Trip Blank SE-034	9/10/2003	Mitkem	---	B1428-11	---
Surface Soil										
SO-001-BG	MS/MSD	QW	BG	SO-001-BG	Quinnville Wellfield, north side	8/18/2003	Mitkem	---	B1309-01	---
SO-002-BG	---	QW	BG	SO-002-BG	Quinnville Wellfield, north side	8/18/2003	Mitkem	---	B1309-02	---
SO-003-BG	---	QW	BG	SO-003-BG	Quinnville Wellfield, north side	8/18/2003	Mitkem	---	B1309-03	---
SO-004-BG	---	QW	BG	SO-004-BG	Quinnville Wellfield, north side	8/18/2003	Mitkem	---	B1309-04	---
SO-005-BG	---	QW	BG	SO-005-BG	Quinnville Wellfield, north side	8/18/2003	Mitkem	---	B1309-05	---
SO-006-UI	---	UI	---	SO-006-UI	Excavator area	8/19/2003	Mitkem	---	B1309-09	---
SO-007-UI	---	UI	---	SO-007-UI	Shore along back channel SE of SO-016	8/19/2003	Mitkem	---	B1309-10	---
SO-008-NP	---	NP	---	SO-008-NP	Shore of river near dam	8/19/2003	Mitkem	---	B1309-11	---
SO-009-NP	---	NP	---	SO-009-NP	Shore of river upstream from SO-008	8/19/2003	Mitkem	---	B1309-12	---
SO-010-UI	---	UI	---	SO-010-UI	South corner near PZ-08	8/20/2003	Mitkem	---	B1309-14	---
SO-011-UI	---	UI	---	SO-011-UI	East corner near PZ-10	8/20/2003	Mitkem	---	B1309-15	---
SO-012-UI	---	UI	---	SO-012-UI	Northeast shore	8/20/2003	Mitkem	---	B1309-16	---
SO-013-UI	---	UI	---	SO-013-UI	North corner near PZ-17	8/20/2003	Mitkem	---	B1309-17	---
SO-014-UI	---	UI	---	SO-014-UI	North shore	8/20/2003	Mitkem	---	B1309-18	---
SO-015-UI	---	UI	---	SO-015-UI	West corner near PZ-18	8/20/2003	Mitkem	---	B1309-19	---
SO-016-UI	---	UI	---	SO-016-UI	Shore along back channel NW of SO-007	8/20/2003	Mitkem	---	B1309-20	---
SO-017-NP	---	NP	---	SO-017-NP	North end near MW-112	8/21/2003	Mitkem	---	B1330-01	---

Table H-1
Summary of Phase 1A Samples by Field Sample ID
Peterson/Puritan OU2

Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Lab No. 1	Lab No. 2	Mitkem Lab Sample ID	Comments
SO-018-LF	---	LF	---	SO-018-LF	Shore near MW-109	8/21/2003	Mitkem	---	B1330-02	---
SO-019-LF	---	LF	---	SO-019-LF	Shore near MW-C1	8/21/2003	Mitkem	---	B1330-03	---
SO-020-LF	---	LF	---	SO-020-LF	Shore near SEA-604	8/21/2003	Mitkem	---	B1330-04	---
SO-021-LF	---	LF	---	SO-021-LF	LF toe near stone wall corner	8/21/2003	Mitkem	---	B1330-05	---
SO-022-LF	---	LF	---	SO-022-LF	Shore near MW-B2	8/21/2003	Mitkem	---	B1330-06	---
SO-023-LF	---	LF	---	SO-023-LF	Shore northwest of Landfill	8/22/2003	Mitkem	---	B1330-11	---
SO-024-LF	---	LF	---	SO-024-LF	Shore between Pond B and River	8/22/2003	Mitkem	---	B1330-12	---
SO-025-LF	---	LF	---	SO-025-LF	Shore near P-7	8/22/2003	Mitkem	---	B1330-13	---
SO-026-LF	---	LF	---	SO-026-LF	Shore upstream of SEA-601	8/22/2003	Mitkem	---	B1330-14	---
SO-027-LF	---	LF	---	SO-027-LF	Shore downstream of SEA-601	8/22/2003	Mitkem	---	B1330-15	---
SO-028-LF	---	LF	---	SO-028-LF	Shore near SEA-602A/B	8/22/2003	Mitkem	---	B1330-16	---
SO-029-LF	---	LF	---	SO-029-LF	Shore downstream of SEA-602A/B	8/22/2003	Mitkem	---	B1330-17	---
SO-030-LF	---	LF	---	SO-030-LF	Shore downstream of P-8	8/22/2003	Mitkem	---	B1330-18	---
SO-032-LF	MS/MSD	LF	---	SO-032-LF	Next to SEA-603	8/28/2003	Mitkem	---	B1330-20	SO-032-LF replaced SO-031-LF, which was not analyzed
SO-033-NP	---	NP	---	SO-033-NP	GP-1, southeast area, 0-1'	9/5/2003	Mitkem		B1419-07	Labeled SO-33-NP on sample submitted to lab
SO-034-NP	---	NP	---	SO-034-NP	GP-2, mid-property, 0-1'	9/5/2003	Mitkem	---	B1419-08	---
SO-035-NP	---	NP	---	SO-035-NP	GP-3, mid-property east side, 0-1'	9/6/2003	Mitkem	---	B1419-09	---
SO-036-NP	---	NP	---	SO-036-NP	GP-4, mid-property north side, 0-1'	9/6/2003	Mitkem	---	B1419-10	---
SO-037-NP	---	NP	---	SO-037-NP	GP-5, northeast area, 0-1'	9/6/2003	Mitkem	---	B1419-11	---
SO-FD01	FD	QW	BG	SO-004-BG	Quinnville wellfield, north side, same as SO-004-BG	8/18/2003	Mitkem	---	B1309-07	---
SO-FD-03	FD	LF	---	SO-022-LF	Near MW-B2, same as SO-022-LF	8/21/2003	Mitkem	---	B1330-07	---
SOER01	ER	---	---	SOER01	After SO-003, before SO-004	8/18/2003	Mitkem	---	B1309-06	---
SO-ER-02	ER	---	---	SO-ER-02	After SO-021, before SO-022, FD03	8/21/2003	Mitkem	---	B1330-09	---
SO-ER05	ER	---	---	SO-ER05	After SO-033, before SO-034	9/5/2003	Mitkem	---	B1419-06	---
SO-TB01	TB	---	---	SO-TB01	Trip Blank SO-001 thur SO-005	8/18/2003	Mitkem	---	B1309-08	---
SO-TB-2	TB	---	---	SO-TB-2	Trip Blank for SO-006 thru S0-009	8/19/2003	Mitkem	---	B1309-13	---
SO-TB05	TB	---	---	SO-TB05	Trip Blank SO-010 thru SO-016	8/20/2003	Mitkem	---	B1309-21	---
SO-TB-06	TB	---	---	SO-TB-06	Trip Blank SO-017 thru SO-022, SO-FD03, SO-ER02	8/21/2003	Mitkem	---	B1330-10	---
SO-TB07	TB	---	---	SO-TB07	Trip Blank SO-023 thru SO-030	8/22/2003	Mitkem	---	B1330-19	---
SO-TB08	TB	---	---	SO-TB08	Trip Blank SO-ER03, SO-031, SO-W05 thru SO-W08	8/26/2003	Mitkem	---	B1316-15	---
SO-TB10	TB	---	---	SO-TB10	Trip Blank SO-032	8/28/2003	Mitkem	---	B1330-21	---
SO-TB10	TB	---	---	SO-TB10	Trip Blank SO-ER05, SO-033 thru SO-37, SSO-01	9/6/2003	Mitkem	---	B1419-14	Number SO-TB10 inadvertently repeated on next TB
Waste Soil										
SO-W01-UI	---	UI	---	UI-TT-06	Test Trench UI-TT-06	8/19/2003	Mitkem	---	B1316-01	---
SO-W02-UI	---	UI	---	UI-TT-10	Test Trench UI-TT-10	8/19/2003	Mitkem	---	B1316-02	---
SO-W03-UI	---	UI	---	UI-TT-01	Test Trenches UI-TT-01 and 02	8/20/2003	Mitkem	---	B1316-04	---
SO-W04-UI	---	UI	---	UI-TT-03	Test Trench UI-TT-03	8/20/2003	Mitkem	---	B1316-05	---
SO-W05-DF	---	DF4	---	SO-W05-DF	Debris Field 4, composite 1	8/26/2003	Mitkem	---	B1365-01	---
SO-W05-DF	---	DF4	---	SO-W05-DF	Debris Field 4, composite 1	9/20/2003	Mitkem	---	B1485-07	Re-sampled for SVOCs and Pesticides/PCBs
SO-W06-DF	---	DF4	---	SO-W06-DF	Debris Field 4, composite 2	8/26/2003	Mitkem	---	B1316-12	---
SO-W06-DF	---	DF4	---	SO-W06-DF	Debris Field 4, composite 2	9/20/2003	Mitkem	---	B1485-08	Re-sampled for SVOCs and Pesticides/PCBs
SO-W07-DF	---	DF1-3	---	SO-W07-DF	Debris Field 3; southeast end	8/26/2003	Mitkem	---	B1316-13	---
SO-W07-DF	---	DF1-3	---	SO-W07-DF	Debris Field 3; southeast end	9/20/2003	Mitkem	---	B1485-01	Re-sampled for SVOCs and Pesticides/PCBs
SO-W08-DF	---	DF1-3	---	SO-W08-DF	Debris Field 3	8/26/2003	Mitkem	---	B1316-14	---
SO-W08-DF	---	DF1-3	---	SO-W08-DF	Debris Field 3	9/20/2003	Mitkem	---	B1485-02	Re-sampled for SVOCs and Pesticides/PCBs
SO-W09-DF	---	DF1-3	---	SO-W09-DF	Debris Field 2, NW of SO-W08-DF	8/26/2003	Mitkem	---	B1365-02	---
SO-W09-DF	---	DF1-3	---	SO-W09-DF	Debris Field 2, NW of SO-W08-DF	9/20/2003	Mitkem	---	B1485-03	Re-sampled for SVOCs and Pesticides/PCBs
SO-W10-DF	---	DF1-3	---	SO-W10-DF	Debris Field 2, NW of SO-W09-DF	8/27/2003	Mitkem	---	B1365-03	---
SO-W10-DF	---	DF1-3	---	SO-W10-DF	Debris Field 2, NW of SO-W09-DF	9/20/2003	Mitkem	---	B1485-04	Re-sampled for SVOCs and Pesticides/PCBs
SO-W11-DF	---	DF1-3	---	SO-W11-DF	Debris Field 1, NW of SO-W10-DF	8/27/2003	Mitkem	---	B1365-04	---

Table H-1
Summary of Phase 1A Samples by Field Sample ID
Peterson/Puritan OU2

Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Lab No. 1	Lab No. 2	Mitkem Lab Sample ID	Comments
SO-W11-DF	---	DF1-3	---	SO-W11-DF	Debris Field 1, NW of SO-W10-DF	9/20/2003	Mitkem	---	B1485-05	Re-sampled for SVOCs and Pesticides/PCBs
SO-W12-DF	---	DF1-3	---	SO-W12-DF	Debris Field 1, NW of SO-W11-DF	8/27/2003	Mitkem	---	B1365-05	---
SO-W12-DF	---	DF1-3	---	SO-W12-DF	Debris Field 1, NW of SO-W11-DF	9/20/2003	Mitkem	---	B1485-06	Re-sampled for SVOCs and Pesticides/PCBs
SO-W13-NP	---	NP	---	GP-2	GP-2, mid-property, 6-10'	9/5/2003	Mitkem	SEI	B1419-01	---
SO-W14-NP	---	NP	---	GP-1	GP1, southeast area, 1-5'	9/5/2003	Mitkem	---	B1419-02	---
SO-W15-NP	---	NP	---	GP-3	GP3, mid-property east side, 5-9'	9/6/2003	Mitkem	SEI	B1419-03	Sample not viable for grain size testing (waste material)
SO-W16-NP	---	NP	---	GP-5	GP5, northeast area, 5-9'	9/6/2003	Mitkem	SEI	B1419-04	---
SO-FD02	FD	UI	---	UI-TT-03	TestTrench UI-TT-03, same as SO-W04-UI	8/20/2003	Mitkem	---	B1316-06	---
SO-FD04	FD	DF4	---	SO-W06-DF	Debris Field 4, Composite 2, same as SO-W06-DF	8/27/2003	Mitkem	---	B1365-08	The original sample for this field duplicate ended up in B1316
SO-ER03	ER	---	---	SO-ER03	After SO-W06, before SO-W07	8/26/2003	Mitkem	---	B1316-09	---
SO-ER04	ER	---	---	SO-ER04	Re-sample VOA for S0-ER03, using VOA-free water	8/27/2003	Mitkem	---	B1365-07	New ER was collected for VOA analysis only
SO-TB-3	TB	---	---	SO-TB-3	Trip Blank SO-W01, SO-W02	8/19/2003	Mitkem	---	B1316-03	---
SO-TB04	TB	---	---	SO-TB04	Trip Blank SO-W03, SO-W04, SO-FD02	8/20/2003	Mitkem	---	B1316-08	---
SO-TB09	TB	---	---	SO-TB09	Trip Blank SO-W09 thru SO-W12, SO-ER04, SO-FD04	8/27/2003	Mitkem	---	B1365-06	---
SO-TB11	TB	---	---	SO-TB11	Trip Blank SO-W13 thru SO-W16	9/6/2003	Mitkem	---	B1419-05	---
Subsurface Soil										
SSO-01-NP	MS/MSD	NP	---	GP-4	GP4, mid-property north side, 1-5'	9/6/2003	Mitkem	SEI	B1419-12	---
SSO-FD01	FD	NP	---	GP-4	same as SSO-O1-NP	9/6/2003	Mitkem	SEI	B1419-13	---
SSO-SPT1-5-LF	---	LF	---	SEA-601	SEA-601 4-6 ft	9/15/2003	Mitkem	SEI	B1465-01	---
SSO-SPT1-10-LF	---	LF	---	SEA-601	SEA-601 8-10 ft	9/15/2003	Mitkem	SEI	B1465-02	---
SSO-SPT1-15-LF	---	LF	---	SEA-601	SEA-601 15-20 ft	9/15/2003	Mitkem	SEI	B1465-03	---
SSO-SPT2-5-LF	---	LF	---	SEA-603	SEA-603 4-6 ft	9/21/2003	Mitkem	SEI	B1478-09	---
SSO-SPT2-10-LF	---	LF	---	SEA-603	SEA-603 8-10 ft	9/21/2003	Mitkem	SEI	B1478-10	---
SSO-SPT2-15-LF	---	LF	---	SEA-603	SEA-603 15-20 ft	9/21/2003	Mitkem	SEI	B1478-11	---
SSO-SPT3-5-LF	---	LF	---	SEA-604	SEA-604 4-6 ft	9/18/2003	Mitkem	SEI	B1465-12	---
SSO-SPT3-10-LF	---	LF	---	SEA-604	SEA-604 8-10 ft	9/18/2003	Mitkem	SEI	B1465-13	---
SSO-SPT3-15-LF	---	LF	---	SEA-604	SEA-604 15-20 ft	9/18/2003	Mitkem	SEI	B1465-14	---
SSO-SPT4-5-LF	---	LF	---	SEA-605	SEA-605 5-7 ft	9/18/2003	Mitkem	SEI	B1465-09	---
SSO-SPT4-10-LF	---	LF	---	SEA-605	SEA-605 9-11 ft	9/18/2003	Mitkem	SEI	B1465-10	---
SSO-SPT4-15-LF	---	LF	---	SEA-605	SEA-605 15-20 ft	9/18/2003	Mitkem	SEI	B1465-11	---
SSO-SPT5-5-LF	---	LF	---	SEA-602B	SEA-602B 2-4 ft	9/15/2003	---	SEI	---	Not submitted to Mitkem (insufficient sample volume)
SSO-SPT5-10-LF	---	LF	---	SEA-602B	SEA-602B 10-12 ft	9/15/2003	Mitkem	SEI	B1465-04	---
SSO-SPT5-15-LF	---	LF	---	SEA-602B	SEA-602B 14-16 ft	9/15/2003	Mitkem	SEI	B1465-05	---
SSO-SPT5-20-LF	---	LF	---	SEA-602B	SEA-602B 18-20 ft	9/15/2003	Mitkem	SEI	B1465-06	---
SSO-SPT5-25-LF	---	LF	---	SEA-602B	SEA-602B 24-26 ft	9/15/2003	Mitkem	SEI	B1465-07	---
SSO-SPT5-30-LF	---	LF	---	SEA-602B	SEA-602B 30-32 ft	9/15/2003	Mitkem	---	B1465-08	Not submitted to SEI (insufficient sample volume)
SSO-SPT5-35-LF	---	LF	---	SEA-602B	SEA-602B 32-34 ft	9/15/2003	---	SEI	---	Not submitted to Mitkem (insufficient sample volume)
SSO-SPT6-5-UI	---	UI	---	SEA-607	SEA-607 4-6 ft	9/19/2003	Mitkem	SEI	B1465-15	---
SSO-SPT6-10-UI	---	UI	---	SEA-607	SEA-607 10-12 ft	9/19/2003	Mitkem	SEI	B1465-16	---
SSO-SPT6-15-UI	---	UI	---	SEA-607	SEA-607 15-20 ft	9/19/2003	Mitkem	SEI	B1465-17	---
SSO-SPT7-5-UI	---	UI	---	SEA-608	SEA-608 4-6 ft	9/19/2003	Mitkem	SEI	B1465-18	---
SSO-SPT7-10-UI	---	UI	---	SEA-608	SEA-608 8-10 ft	9/19/2003	Mitkem	SEI	B1465-19	---
SSO-SPT7-15-UI	---	UI	---	SEA-608	SEA-608 15-20 ft	9/19/2003	Mitkem	SEI	B1465-20	---
SSO-SPT8-5-NP	---	NP	---	SEA-606	SEA-606 4-6 ft	9/21/2003	Mitkem	SEI	B1478-12	---
SSO-SPT8-10-NP	---	NP	---	SEA-606	SEA-606 8-10 ft	9/21/2003	Mitkem	SEI	B1478-13	---
SSO-SPT8-15-NP	---	NP	---	SEA-606	SEA-606 15-20 ft	9/21/2003	Mitkem	SEI	B1478-14	---

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
Air									
---	AR-001-LF	---	LF	---	Vent #1	Landfill Vent #1	10/7/2003	10/22/2003	11/1/2003
---	AR-002-LF	---	LF	---	Vent #5	Landfill Vent #5	10/7/2003	10/22/2003	11/1/2003
---	AR-003-LF	---	LF	---	Vent #2	Landfill Vent #2	10/7/2003	10/22/2003	11/1/2003
---	AR-FD1	FD	LF	---	Vent #1	Landfill Vent #1, same as AR-001	10/7/2003	10/22/2003	11/1/2003
Ground Water Leachate									
B1315-01	GW-ER1	ER	---	---	GW-ER1	After GW-LE01 before GW-LE02-UI	8/19/2003	8/19/2003	10/14/2003
B1315-02	GW-TB01	TB	---	---	GW-TB01	Trip Blank for GW-ER01	8/19/2003	8/19/2003	10/14/2003
B1315-03	GW-LE01-UI	MS/MSD	UI	---	UI-TT-O6	Test Trench UI-TT-06	8/19/2003	8/19/2003	10/14/2003
B1315-04	GW-LE02-UI	---	UI	---	UI-TT-10	Test Trench UI-TT-10	8/19/2003	8/19/2003	10/14/2003
B1315-05	GW-FD01	FD	UI	---	UI-TT-06	Trest Trench UI-TT-06, same as GW-LE01-UI	8/19/2003	8/19/2003	10/14/2003
B1315-06	GW-TB02	TB	---	---	GW-TB02	Trip Blank for GWLE01	8/19/2003	8/19/2003	10/14/2003
B1315-07	GW-TB-04	TB	---	---	GW-TB-04	Trip Blank for GW-FD01	8/19/2003	8/19/2003	10/14/2003
B1315-08	GW-LE3-LF	---	LF	---	LF-TT-02	Test Trench LF-TT-02	8/21/2003	8/21/2003	10/14/2003
B1315-09	GW-LE4-LF	---	LF	---	LF-TT-04	Test Trench LF-TT-04	8/21/2003	8/21/2003	10/14/2003
B1315-10	GW-TB05	TB	---	---	GW-TB05	Trip Blank GW-LE3, GW-LE4	8/21/2003	8/21/2003	10/14/2003
B1315-11	GW-LE5-LF	---	LF	---	LF-TT-07	Test Trench LF-TT-07	8/22/2003	8/22/2003	10/14/2003
B1315-12	GW-LE6-LF	---	LF	---	LF-TT-09	Test Trench LF-TT-09	8/22/2003	8/22/2003	10/14/2003
B1315-13	GW-ER1	ER	---	---	GW-ER1	After GW-LE01 before GW-LE02-UI	8/22/2003	8/22/2003	10/14/2003
B1315-13	GW-TB06	TB	---	---	GW-TB06	Trip Blank GW-LE5, GW-LE6	8/22/2003	8/21/2003	10/14/2003
---	GW-TB03	TB	---	---	GW-TB03	Trip Blank GW-LE5, GW-LE6	8/19/2003	---	---
Ground Water									
B1552-01	GW-002-LF	MS/MSD	LF	---	MW-B2	MW-B2	9/29/2003	9/30/2003	10/29/2003
B1552-02	GW-TB08	TB	---	---	GW-TB08	Trip Blank GW-002	9/29/2003	9/30/2003	10/29/2003
B1552-03	GW-001-LF	---	LF	---	MW-109A	MW-109A	9/29/2003	9/30/2003	10/29/2003
B1552-04	GW-TB07	TB	---	---	GW-TB07	Trip Blank GW-001	9/29/2003	9/30/2003	10/29/2003
B1552-05	GW-003-LF	---	LF	---	MW-109AA	MW-109AA	9/30/2003	10/1/2003	10/29/2003
B1552-06	GW-004-WT	---	WT	A	MW-110A	MW-110A	9/30/2003	10/1/2003	10/29/2003
B1552-07	GW-005-WT	---	WT	A	MW-110B	MW-110B	9/30/2003	10/1/2003	10/29/2003
B1552-08	GW-FD02	FD	WT	A	MW-110B	MW-110B, same as GW-005-WT	9/30/2003	10/1/2003	10/29/2003
B1552-09	GW-TB09	TB	---	---	GW-TB09	Trip Blank GW-003 thru GW-005	9/30/2003	10/1/2003	10/29/2003
B1552-10	GW-ER-002	ER	---	---	GW-ER-002	After MW-B2, before MW-C2	9/30/2003	10/1/2003	10/29/2003
B1552-11	GW-TB-010	TB	---	---	GW-TB-010	Trip Blank for GW-ER02, GW-006	9/30/2003	10/1/2003	10/29/2003
B1552-12	GW-006-LF	---	LF	---	MW-C2	MW-C2	9/30/2003	10/1/2003	10/29/2003
B1552-13	GW-007-LF	---	LF	---	MW-C1	MW-C1	9/30/2003	9/30/2003	10/29/2003
B1552-14	GW-018-LF	---	LF	---	P-8	P-8	10/2/2003	10/2/2003	10/29/2003
B1552-15	GW-015-WT	---	WT	A	MW-111AA	MW-111AA	10/2/2003	10/2/2003	10/29/2003

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
B1552-16	GW-016-WT	---	WT	A	MW-111A	MW-111A	10/2/2003	10/2/2003	10/29/2003
B1552-17	GW-TB12	TB	---	---	GW-TB12	Trip Blank GW-015, GW-016, GW-018	10/2/2003	10/2/2003	10/29/2003
B1552-18	GW-009-DF	---	DF1-3	---	MW-106A	MW-106A	10/2/2003	10/2/2003	10/29/2003
B1552-19	GW-TB10	TB	---	---	GW-TB10	Trip Blank GW-009 thru GW-011	10/1/2003	10/2/2003	10/29/2003
B1552-20	GW-010-LF	---	LF	---	MW-108A	MW-108A	10/1/2003	10/2/2003	10/29/2003
B1552-21	GW-011-LF	---	LF	---	MW-108AA	MW-108AA	10/1/2003	10/2/2003	10/29/2003
B1552-22	GW-012-QW	---	QW	---	MW-A2	MW-A2	10/1/2003	10/2/2003	10/29/2003
B1552-23	GW-013-QW	---	QW	---	GZ-4-1	GZ-4-1	10/1/2003	10/2/2003	10/29/2003
B1552-24	GW-008-LF	---	LF	---	MW-B1	MW-B1	10/1/2003	10/2/2003	10/29/2003
B1552-25	GW-TB11	TB	---	---	GW-TB11	Trip Blank GW-008, GW-012, GW-013	10/1/2003	10/2/2003	10/29/2003
B1587-01	GW-ER-03	ER	---	---	GW-ER-03	After SEA-602B before SEA-604	10/4/2003	10/4/2003	10/29/2003
B1587-02	GW-027-LF	---	LF	---	SEA-604	SEA-604	10/4/2003	10/4/2003	10/29/2003
B1587-03	GW-028-LF	---	LF	---	SEA-605	SEA-605	10/4/2003	10/4/2003	10/29/2003
B1587-04	GW-024-NP	---	NP	---	SEA-606	SEA-606	10/4/2003	10/4/2003	10/29/2003
B1587-05	GW-TB16	TB	---	---	GW-TB16	Trip Blank GW-ER03, GW-024, GW-027, GW-028	10/4/2003	10/4/2003	10/29/2003
B1587-06	GW-025-UI	---	UI	---	SEA-607	SEA-607	10/3/2003	10/4/2003	10/29/2003
B1587-07	GW-026-UI	---	UI	---	SEA-608	SEA-608	10/3/2003	10/4/2003	10/29/2003
B1587-08	GW-FD03	FD	UI	---	SEA-608	SEA-608, same as GW-026-UI	10/3/2003	10/4/2003	10/29/2003
B1587-09	GW-TB15	TB	---	---	GW-TB15	Trip Blank GW-022, GW-023, GW-025, GW-026	10/3/2003	10/4/2003	10/29/2003
B1587-10	GW-022-LF	---	LF	---	SEA-602A	SEA-602A	10/3/2003	10/4/2003	10/29/2003
B1587-11	GW-023-LF	MS/MSD	LF	---	SEA-602B	SEA-602B	10/3/2003	10/4/2003	10/29/2003
B1587-12	GW-021-LF	---	LF	---	SEA-603	SEA-603	10/3/2003	10/3/2003	10/29/2003
B1587-13	GW-TB14	TB	---	---	GW-TB14	Trip Blank GW-021, GW-022	10/3/2003	10/3/2003	10/29/2003
B1587-14	GW-020-NP	---	NP	---	MW-112AA	MW-112AA	10/3/2003	10/3/2003	10/29/2003
B1587-15	GW-TB13	TB	---	---	GW-TB13	Trip Blank GW-014, GW-017, GW-019	10/2/2003	10/3/2003	10/29/2003
B1587-16	GW-019-NP	---	NP	---	MW-112A	MW-112A	10/2/2003	10/3/2003	10/29/2003
B1587-17	GW-014-LF	---	LF	---	P-7	P-7	10/2/2003	10/3/2003	10/29/2003
B1587-18	GW-017-LF	---	LF	---	SEA-601	SEA-601	10/2/2003	10/3/2003	10/29/2003
Surface Water									
B1373-01	SW-001-UI	---	UI	Pond E	SW-001-UI	Pond E	8/28/2003	8/28/2003	10/14/2003
B1373-02	SW-002-UI	---	UI	Pond A	SW-002-UI	Middle of Pond A	8/28/2003	8/28/2003	10/14/2003
B1373-03	SW-ER01	ER	---	---	SW-ER01	After SW-001-UI, before SW-002	8/28/2003	8/28/2003	10/14/2003
B1373-04	SW-TB01	TB	---	---	SW-TB01	Trip Blank SW-001, SW-002	8/28/2003	8/28/2003	10/14/2003
B1373-05	SW-003-UI	---	UI	Pond A	SW-003-UI	South shore of Pond A near PZ-09	8/29/2003	8/29/2003	10/14/2003
B1373-06	SW-005-UI	---	UI	Pond A	SW-005-UI	West shore of Pond A	8/29/2003	8/29/2003	10/14/2003
B1373-07	SW-006-UI	---	UI	Pond A	SW-006-UI	Southeast shore of Pond A	8/29/2003	8/29/2003	10/14/2003
B1373-08	SW-FD01	FD	UI	Pond A	SW-003-UI	UI-Shore of Pond A, same as SE-003-UI	8/29/2003	8/29/2003	10/14/2003
B1373-09	SW-TB02	TB	---	---	SW-TB02	Trip Blank SW-003	8/29/2003	8/29/2003	10/14/2003

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Loca-tion Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
B1373-10	SW-TB03	TB	---	---	SW-TB03	Trip Blank SW-005	8/29/2003	8/29/2003	10/14/2003
B1373-11	SW-TB04	TB	---	---	SW-TB04	Trip Blank SW-006	8/29/2003	8/29/2003	10/14/2003
B1373-12	SW-007-UI	---	UI	Pond D	SW-007-UI	Pond D	9/2/2003	9/2/2003	10/14/2003
B1373-13	SW-008-BR	---	BR	Pond F	SW-008-BR	Pond F	9/2/2003	9/2/2003	10/14/2003
B1373-14	SW-TB-05	TB	---	---	SW-TB-05	Trip Blank SW-007, SW-008	9/2/2003	9/2/2003	10/14/2003
B1373-15	SW-009-WT	---	WT	A	SW-009-WT	East pond near PZ-10	9/3/2003	9/3/2003	10/14/2003
B1373-16	SW-010-WT	---	WT	B	SW-010-WT	Northeast shore, downstream of Panda culvert	9/3/2003	9/3/2003	10/14/2003
B1373-17	SW-011-WT	---	WT	B	SW-011-WT	Mid-pond southeast end	9/3/2003	9/3/2003	10/14/2003
B1373-18	SW-TB06	TB	---	---	SW-TB06	Trip Blank SW-009	9/3/2003	9/3/2003	10/14/2003
B1373-19	SW-TB07	TB	---	---	SW-TB07	Trip Blank SW-010, SW-011	9/3/2003	9/3/2003	10/14/2003
B1406-01	SW-012-WT	---	WT	C	SW-012-WT	Mid-pond, northeast area	9/3/2003	9/4/2003	10/20/2003
B1406-02	SW-013-WT	---	WT	B	SW-013-WT	Southwest shore along RR, near PZ-11	9/4/2003	9/4/2003	10/20/2003
B1406-03	SW-014-WT	---	WT	B	SW-014-WT	North shore near PZ-13	9/4/2003	9/4/2003	10/20/2003
B1406-04	SW-015-WT	---	WT	B	SW-015-WT	Monastery Brook upstream of road	9/4/2003	9/4/2003	10/20/2003
B1406-05	SW-016-WT	---	WT	D	SW-016-WT	North end near PZ-15	9/4/2003	9/4/2003	10/20/2003
B1406-06	SW-TB08	TB	---	---	SW-TB08	Trip Blank SW-012, thru SW-016	9/3/2003	9/4/2003	10/20/2003
B1406-07	SW-017-WT	---	WT	C	SW-017-WT	Southwest shore along RR, near PZ-12	9/5/2003	9/5/2003	10/20/2003
B1406-08	SW-020-LF	---	LF	Pond C	SW-020-LF	Pond C	9/5/2003	9/5/2003	10/20/2003
B1406-09	SW-TB09	TB	---	---	SW-TB09	Trip Blank SW-017 thru SW-021	9/5/2003	9/5/2003	10/20/2003
B1406-10	SW-021-NP	---	BR	NP	AD+13500	Inlet off Blackstone River adjacent to transfer sta.	9/5/2003	9/5/2003	10/20/2003
B1406-11	SW-TB-10	TB	---	---	SW-TB-10	Trip Blank SW-022 thru SW-025	9/6/2003	9/6/2003	10/20/2003
B1406-12	SW-022-BR	---	BR	---	AD-00250	Most Upstream Blackstone River	9/5/2003	9/6/2003	10/20/2003
B1406-13	SW-023-BR	---	BR	---	AD+13200B	Back channel, downstream end	9/6/2003	9/6/2003	10/20/2003
B1406-14	SW-024-BR	---	BR	---	AD+12700B	Back channel, midway down unnamed island	9/6/2003	9/6/2003	10/20/2003
B1406-15	SW-025-BR	---	BR	---	AD+11700B	Back channel, upstream end	9/6/2003	9/6/2003	10/20/2003
B1406-16	SW-TB-11	TB	---	---	SW-TB-11	Trip Blank SW-026, SW-FD02	9/8/2003	9/8/2003	10/20/2003
B1406-17	SW-026-BR	---	BR	---	AD+14200A	Upstream of Pratt Dam	9/8/2003	9/8/2003	10/20/2003
B1406-18	SW-FD-02	FD	BR	---	AD+14200A	Composite, same as SE-026-BR	9/8/2003	9/8/2003	10/20/2003
B1406-19	SW-027-BR	---	BR	---	AD+13100A	Main channel near MW-111	9/8/2003	9/9/2003	10/20/2003
B1406-20	SW-028-BR	MS/MSD	BR	---	AD+12500A	Main channel near PZ-01	9/8/2003	9/9/2003	10/20/2003
B1406-21	SW-ER02	ER	---	---	SW-ER02	After SW-028-BR, before SW-029	9/8/2003	9/9/2003	10/20/2003
B1406-22	SW-TB12	TB	---	---	SW-TB12	Trip Blank SW-027	9/8/2003	9/9/2003	10/20/2003
B1406-23	SW-TB-13	TB	---	---	SW-TB-13	Trip Blank SW-028	9/8/2003	9/9/2003	10/20/2003
B1406-24	SW-TB-14	TB	---	---	SW-TB-14	Trip Blank SW-028	9/8/2003	9/9/2003	10/20/2003
B1429-01	SW-029-BR	---	BR	---	AD+11750A	Main channel near Pond C	9/9/2003	9/9/2003	10/20/2003
B1429-02	SW-FD-03	FD	BR	---	AD+11750A	Main channel near Pond C, same as SE-029-BR	9/9/2003	9/9/2003	10/20/2003
B1429-03	SW-030-BR	MS/MSD	BR	---	AD+11050	Near Pond B	9/9/2003	9/9/2003	10/20/2003
B1429-04	SW-TB-15	TB	---	---	SW-TB-15	Trip Blank SW-029	9/9/2003	9/9/2003	10/20/2003
B1429-05	SW-TB-16	TB	---	---	SW-TB-16	Trip Blank SW-FD03	9/9/2003	9/9/2003	10/20/2003

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
B1429-06	SW-TB-17	TB	---	---	SW-TB-17	Trip Blank SW-030	9/9/2003	9/9/2003	10/20/2003
B1429-07	SW-031-BR	---	BR	---	AD+10300	Near P-8	9/9/2003	9/10/2003	10/20/2003
B1429-08	SW-032-BR	---	BR	---	AD+08400	Near MW-106	9/10/2003	9/10/2003	10/20/2003
B1429-09	SW-ER03	ER	---	---	SW-ER03	After SW-032-BR, before SW-033	9/10/2003	9/10/2003	10/20/2003
B1429-10	SW-033-BR	---	BR	---	AD+07200	Near P-5	9/10/2003	9/10/2003	10/20/2003
B1429-11	SW-TB18	TB	---	---	SW-TB18	Trip Blank SW-031	9/10/2003	9/10/2003	10/20/2003
B1429-12	SW-TB19	TB	---	---	SW-TB19	Trip Blank SW-032	9/10/2003	9/10/2003	10/20/2003
B1429-13	SW-TB20	TB	---	---	SW-TB20	Trip Blank SW-ER03	9/10/2003	9/10/2003	10/20/2003
B1429-14	SW-TB21	TB	---	---	SW-TB21	Trip Blank SW-033	9/10/2003	9/10/2003	10/20/2003
B1429-15	SW-034-BR	---	BR	---	AD+05550	Downstream of Martin Street	9/10/2003	9/10/2003	10/20/2003
B1429-16	SW-TB22	TB	---	---	SW-TB22	Trip Blank SW-034	9/10/2003	9/10/2003	10/20/2003
---	SW-004-UI	---	UI	Exc Pond	---	Excavator Pond	8/29/2003	---	---
---	SW-018-WT	---	WT	C	SE-018-WT	Southwest shore along RR, northwest of PZ-12	9/5/2003	---	---
---	SW-019-WT	---	LF	Pond B	SE-019-LF	Pond B near PZ-03	9/5/2003	---	---
Sediment									
B1378-01	SE-001-UI	MS/MSD	UI	Pond E	SE-001-UI	Pond E	8/28/2003	8/28/2003	11/18/2003
B1378-02	SE-002-UI	---	UI	Pond A	SE-002-UI	Middle of Pond A	8/28/2003	8/28/2003	11/18/2003
B1378-03	SE-TB01	TB	---	---	SE-TB01	Trip Blank SE-001, SE-002	8/28/2003	8/28/2003	11/18/2003
B1378-04	SE-003-UI	---	UI	Pond A	SE-003-UI	UI-Shore of Pond A	8/29/2003	8/29/2003	11/18/2003
B1378-05	SE-004-UI	---	UI	Exc Pond	SE-004-UI	Excavator Pond	8/29/2003	8/29/2003	11/18/2003
B1378-06	SE-005-UI	---	UI	Pond A	SE-005-UI	West shore of Pond A	8/29/2003	8/29/2003	11/18/2003
B1378-07	SE-006-UI	---	UI	Pond A	SE-006-UI	Southeast shore of Pond A	8/29/2003	8/29/2003	11/18/2003
B1378-08	SE-FD01	FD	UI	Pond A	SE-003-UI	UI-Shore of Pond A, same as SE-003-UI	8/29/2003	8/29/2003	11/18/2003
B1378-09	SE-ER01	ER	---	---	SE-ER01	After SW-006-UI, before SW-007	8/29/2003	8/29/2003	11/18/2003
B1378-10	SE-TB02	TB	---	---	SE-TB02	Trip Blank SE-003 thru SE-006, SE-ER01, SE-FD01	8/28/2003	8/28/2003	11/18/2003
B1378-11	SE-007-UI	---	UI	Pond D	SE-007-UI	Pond D	9/2/2003	9/2/2003	11/18/2003
B1378-12	SE-008-BR	---	BR	Pond F	SE-008-BR	Pond F	9/2/2003	9/2/2003	11/18/2003
B1378-13	SE-TB03	TB	---	---	SE-TB03	Trip Blank SE-007, SE-008	9/2/2003	9/2/2003	11/18/2003
B1405-01	SE-009-WT	---	WT	A	SE-009-WT	East pond near PZ-10	9/3/2003	9/4/2003	11/20/2003
B1405-02	SE-010-WT	---	WT	B	SE-010-WT	Northeast shore, downstream of Panda culvert	9/3/2003	9/4/2003	11/20/2003
B1405-03	SE-011-WT	---	WT	B	SE-011-WT	Mid-pond southeast end	9/3/2003	9/4/2003	11/20/2003
B1405-04	SE-TB04	TB	---	---	SE-TB04	Trip Blank SE-009 thru SE-016	9/3/2003	9/4/2003	11/20/2003
B1405-05	SE-012-WT	---	WT	C	SE-012-WT	Mid-pond, northeast area	9/3/2003	9/4/2003	11/20/2003
B1405-06	SE-013-WT	---	WT	B	SE-013-WT	Southwest shore along RR, near PZ-11	9/4/2003	9/4/2003	11/20/2003
B1405-07	SE-014-WT	---	WT	C	SE-014-WT	North shore near PZ-13	9/4/2003	9/4/2003	11/20/2003
B1405-08	SE-015-WT	---	WT	C	SE-015-WT	Monastery Brook upstream of road	9/4/2003	9/4/2003	11/20/2003
B1405-09	SE-016-WT	---	WT	D	SE-016-WT	North end near PZ-15	9/4/2003	9/4/2003	11/20/2003
B1405-10	SE-017-WT	---	WT	C	SE-017-WT	Southwest shore along RR, near PZ-12	9/5/2003	9/5/2003	11/20/2003

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Loca-tion Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
B1405-11	SE-018-WT	---	WT	C	SE-018-WT	Southwest shore along RR, northwest of PZ-12	9/5/2003	9/5/2003	11/20/2003
B1405-12	SE-019-LF	---	LF	Pond B	SE-019-LF	Pond B near PZ-03	9/5/2003	9/5/2003	11/20/2003
B1405-13	SE-020-LF	---	LF	Pond C	SE-020-LF	Pond C	9/5/2003	9/5/2003	11/20/2003
B1405-14	SE-TB05	TB	---	---	SE-TB05	Trip Blank SE-017 thru SE-021	9/5/2003	9/5/2003	11/20/2003
B1405-15	SE-021-NP	---	BR	---	AD+13500	Inlet off Blackstone River adjacent to transfer sta.	9/5/2003	9/5/2003	11/20/2003
B1405-16	SE-022-BR	---	BR	---	AD-00250	Most Upstream Blackstone River	9/5/2003	9/6/2003	11/20/2003
B1405-17	SE-023-BR	---	BR	---	AD+13200B	Composite, back channel downstream end	9/6/2003	9/6/2003	11/20/2003
B1405-18	SE-024-BR	---	BR	---	AD+12700B	Back channel, midway down unnamed island	9/6/2003	9/6/2003	11/20/2003
B1405-19	SE-025-BR	---	BR	---	AD+11700B	Back channel, upstream end	9/6/2003	9/6/2003	11/20/2003
B1405-20	SE-TB-07	TB	---	---	SE-TB-07	Trip Blank SE-026, FD-02	9/8/2003	9/8/2003	11/20/2003
B1405-21	SE-026-BR	---	BR	---	AD+14200A	Composite, upstream of Pratt Dam	9/8/2003	9/8/2003	11/20/2003
B1405-22	SE-FD-02	FD	BR	---	AD+14200A	Composite, same as SE-026-BR	9/8/2003	9/8/2003	11/20/2003
B1405-23	SE-027-BR	---	BR	---	AD+13100A	Main channel near MW-111	9/8/2003	9/9/2003	11/20/2003
B1405-24	SE-028-BR	MS/MSD	BR	---	AD+12500A	Main channel near PZ-01	9/8/2003	9/9/2003	11/20/2003
B1405-25	SE-ER02	ER	---	---	SE-ER02	After SE-028-BR, before SE-029	9/8/2003	9/9/2003	11/20/2003
B1405-26	SE-TB08	TB	---	---	SE-TB08	Trip Blank SE-027	9/8/2003	9/9/2003	11/20/2003
B1405-27	SE-TB09	TB	---	---	SE-TB09	Trip Blank SE-028	9/8/2003	9/9/2003	11/20/2003
B1428-01	SE-029-BR	---	BR	---	AD+11750A	Main channel near Pond C	9/9/2003	9/9/2003	11/18/2003
B1428-02	SE-FD03	FD	BR	---	AD+11750A	Main channel near Pond C, same as SE-029-BR	9/9/2003	9/9/2003	11/18/2003
B1428-03	SE-030-BR	---	BR	---	AD+11050	Near Pond B	9/9/2003	9/9/2003	11/18/2003
B1428-04	SE-TB10	TB	---	---	SE-TB10	Trip Blank SE-029, SE-FD03, SE-030	9/9/2003	9/9/2003	11/18/2003
B1428-05	SE-031-BR	---	BR	---	AD+10300	Near P-8	9/9/2003	9/10/2003	11/18/2003
B1428-06	SE-032-BR	---	BR	---	AD+08400	Near MW-106	9/10/2003	9/10/2003	11/18/2003
B1428-07	SE-ER03	ER	---	---	SE-ER03	After SE-032-BR, before SE-033	9/10/2003	9/10/2003	11/18/2003
B1428-08	SE-033-BR	---	BR	---	AD+07200	Near P-5	9/10/2003	9/10/2003	11/18/2003
B1428-09	SE-TB11	TB	---	---	SE-TB11	Trip Blank SE-031 thru SE-033, SE-ER03	9/10/2003	9/10/2003	11/18/2003
B1428-10	SE-034-BR	---	BR	---	AD+05550	Downstream of Martin Street	9/10/2003	9/10/2003	11/18/2003
B1428-11	SE-TB12	TB	---	---	SE-TB12	Trip Blank SE-034	9/10/2003	9/10/2003	11/18/2003
---	SE-TB-06	TB	---	---	SE-TB-06	Trip Blank SE-022 thru SE-025	9/6/2003	---	---
Surface Soil									
B1309-01	SO-001-BG	MS/MSD	QW	BG	SO-001-BG	Quinnville Wellfield, north side	8/18/2003	8/18/2003	9/23/2003
B1309-02	SO-002-BG	---	QW	BG	SO-002-BG	Quinnville Wellfield, north side	8/18/2003	8/18/2003	9/23/2003
B1309-03	SO-003-BG	---	QW	BG	SO-003-BG	Quinnville Wellfield, north side	8/18/2003	8/18/2003	9/23/2003
B1309-04	SO-004-BG	---	QW	BG	SO-004-BG	Quinnville Wellfield, north side	8/18/2003	8/18/2003	9/23/2003
B1309-05	SO-005-BG	---	QW	BG	SO-005-BG	Quinnville Wellfield, north side	8/18/2003	8/18/2003	9/23/2003
B1309-06	SOER01	ER	---	---	SOER01	After SO-003, before SO-004	8/18/2003	8/18/2003	9/23/2003
B1309-07	SO-FD01	FD	QW	BG	SO-004-BG	Quinnville wellfield, north side, same as SO-004-BG	8/18/2003	8/18/2003	9/23/2003
B1309-08	SO-TB01	TB	---	---	SO-TB01	Trip Blank SO-001 thur SO-005	8/18/2003	8/18/2003	9/23/2003

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
B1309-09	SO-006-UI	---	UI	---	SO-006-UI	Excavator area	8/19/2003	8/19/2003	9/23/2003
B1309-10	SO-007-UI	---	UI	---	SO-007-UI	Shore along back channel SE of SO-016	8/19/2003	8/19/2003	9/23/2003
B1309-11	SO-008-NP	---	NP	---	SO-008-NP	Shore of river near dam	8/19/2003	8/19/2003	9/23/2003
B1309-12	SO-009-NP	---	NP	---	SO-009-NP	Shore of river upstream from SO-008	8/19/2003	8/19/2003	9/23/2003
B1309-13	SO-TB-2	TB	---	---	SO-TB-2	Trip Blank for SO-006 thru S0-009	8/19/2003	8/19/2003	9/23/2003
B1309-14	SO-010-UI	---	UI	---	SO-010-UI	South corner near PZ-08	8/20/2003	8/20/2003	9/23/2003
B1309-15	SO-011-UI	---	UI	---	SO-011-UI	East corner near PZ-10	8/20/2003	8/20/2003	9/23/2003
B1309-16	SO-012-UI	---	UI	---	SO-012-UI	Northeast shore	8/20/2003	8/20/2003	9/23/2003
B1309-17	SO-013-UI	---	UI	---	SO-013-UI	North corner near PZ-17	8/20/2003	8/20/2003	9/23/2003
B1309-18	SO-014-UI	---	UI	---	SO-014-UI	North shore	8/20/2003	8/20/2003	9/23/2003
B1309-19	SO-015-UI	---	UI	---	SO-015-UI	West corner near PZ-18	8/20/2003	8/20/2003	9/23/2003
B1309-20	SO-016-UI	---	UI	---	SO-016-UI	Shore along back channel NW of SO-007	8/20/2003	8/20/2003	9/23/2003
B1309-21	SO-TB05	TB	---	---	SO-TB05	Trip Blank SO-010 thru SO-016	8/20/2003	8/20/2003	9/23/2003
B1316-15	SO-TB08	TB	---	---	SO-TB08	Trip Blank SO-ER03, SO-031, SO-W05 thru SO-W08	8/26/2003	8/26/2003	9/30/2003
B1330-01	SO-017-NP	---	NP	---	SO-017-NP	North end near MW-112	8/21/2003	8/21/2003	9/30/2003
B1330-02	SO-018-LF	---	LF	---	SO-018-LF	Shore near MW-109	8/21/2003	8/21/2003	9/30/2003
B1330-03	SO-019-LF	---	LF	---	SO-019-LF	Shore near MW-C1	8/21/2003	8/21/2003	9/30/2003
B1330-04	SO-020-LF	---	LF	---	SO-020-LF	Shore near SEA-604	8/21/2003	8/21/2003	9/30/2003
B1330-05	SO-021-LF	---	LF	---	SO-021-LF	LF toe near stone wall corner	8/21/2003	8/21/2003	9/30/2003
B1330-06	SO-022-LF	---	LF	---	SO-022-LF	Shore near MW-B2	8/21/2003	8/21/2003	9/30/2003
B1330-07	SO-FD-03	FD	LF	---	SO-022-LF	Near MW-B2, same as SO-022-LF	8/21/2003	8/21/2003	9/30/2003
B1330-09	SO-ER-02	ER	---	---	SO-ER-02	After SO-021, before SO-022, FD03	8/21/2003	8/21/2003	9/30/2003
B1330-10	SO-TB-06	TB	---	---	SO-TB-06	Trip Blank SO-017 thru SO-022, SO-FD03, SO-ER02	8/21/2003	8/21/2003	9/30/2003
B1330-11	SO-023-LF	---	LF	---	SO-023-LF	Shore northwest of Landfill	8/22/2003	8/22/2003	9/30/2003
B1330-12	SO-024-LF	---	LF	---	SO-024-LF	Shore between Pond B and River	8/22/2003	8/22/2003	9/30/2003
B1330-13	SO-025-LF	---	LF	---	SO-025-LF	Shore near P-7	8/22/2003	8/22/2003	9/30/2003
B1330-14	SO-026-LF	---	LF	---	SO-026-LF	Shore upstream of SEA-601	8/22/2003	8/22/2003	9/30/2003
B1330-15	SO-027-LF	---	LF	---	SO-027-LF	Shore downstream of SEA-601	8/22/2003	8/22/2003	9/30/2003
B1330-16	SO-028-LF	---	LF	---	SO-028-LF	Shore near SEA-602A/B	8/22/2003	8/22/2003	9/30/2003
B1330-17	SO-029-LF	---	LF	---	SO-029-LF	Shore downstream of SEA-602A/B	8/22/2003	8/22/2003	9/30/2003
B1330-18	SO-030-LF	---	LF	---	SO-030-LF	Shore downstream of P-8	8/22/2003	8/22/2003	9/30/2003
B1330-19	SO-TB07	TB	---	---	SO-TB07	Trip Blank SO-023 thru SO-030	8/22/2003	8/22/2003	9/30/2003
B1330-20	SO-032-LF	MS/MSD	LF	---	SO-032-LF	Next to SEA-603	8/28/2003	8/28/2003	9/30/2003
B1330-21	SO-TB10	TB	---	---	SO-TB10	Trip Blank SO-032	8/28/2003	8/28/2003	9/30/2003
B1419-06	SO-ER05	ER	---	---	SO-ER05	After SO-033, before SO-034	9/5/2003	9/6/2003	9/30/2003
B1419-07	SO-033-NP	---	NP	---	SO-033-NP	GP-1, southeast area, 0-1'	9/5/2003	9/6/2003	9/30/2003
B1419-08	SO-034-NP	---	NP	---	SO-034-NP	GP-2, mid-property, 0-1'	9/5/2003	9/6/2003	9/30/2003
B1419-09	SO-035-NP	---	NP	---	SO-035-NP	GP-3, mid-property east side, 0-1'	9/6/2003	9/6/2003	9/30/2003
B1419-10	SO-036-NP	---	NP	---	SO-036-NP	GP-4, mid-property north side, 0-1'	9/6/2003	9/6/2003	9/30/2003

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
B1419-11	SO-037-NP	---	NP	---	SO-037-NP	GP-5, northeast area, 0-1'	9/6/2003	9/6/2003	9/30/2003
B1419-14	SO-TB10	TB	---	---	SO-TB10	Trip Blank SO-ER05, SO-033 thru SO-37, SSO-01	9/6/2003	9/6/2003	9/30/2003
Waste Soil									
B1316-01	SO-W01-UI	---	UI	---	UI-TT-06	Test Trench UI-TT-06	8/19/2003	8/19/2003	9/30/2003
B1316-02	SO-W02-UI	---	UI	---	UI-TT-10	Test Trench UI-TT-10	8/19/2003	8/19/2003	9/30/2003
B1316-03	SO-TB-3	TB	---	---	SO-TB-3	Trip Blank SO-W01, SO-W02	8/19/2003	8/19/2003	9/30/2003
B1316-04	SO-W03-UI	---	UI	---	UI-TT-01	Test Trenches UI-TT-01 and 02	8/20/2003	8/20/2003	9/30/2003
B1316-05	SO-W04-UI	---	UI	---	UI-TT-03	Test Trench UI-TT-03	8/20/2003	8/20/2003	9/30/2003
B1316-06	SO-FD02	FD	UI	---	UI-TT-03	TestTrench UI-TT-03, same as SO-W04-UI	8/20/2003	8/20/2003	9/30/2003
B1316-08	SO-TB04	TB	---	---	SO-TB04	Trip Blank SO-W03, SO-W04, SO-FD02	8/20/2003	8/20/2003	9/30/2003
B1316-09	SO-ER03	ER	---	---	SO-ER03	After SO-W06, before SO-W07	8/26/2003	8/26/2003	9/30/2003
B1316-12	SO-W06-DF	---	DF4	---	SO-W06-DF	Debris Field 4, composite 2	8/26/2003	8/26/2003	9/30/2003
B1316-13	SO-W07-DF	---	DF1-3	---	SO-W07-DF	Debris Field 3; southeast end	8/26/2003	8/26/2003	9/30/2003
B1316-14	SO-W08-DF	---	DF1-3	---	SO-W08-DF	Debris Field 3	8/26/2003	8/26/2003	9/30/2003
B1365-01	SO-W05-DF	---	DF4	---	SO-W05-DF	Debris Field 4, composite 1	8/26/2003	8/27/2003	9/29/2003
B1365-02	SO-W09-DF	---	DF1-3	---	SO-W09-DF	Debris Field 2, NW of SO-W08-DF	8/26/2003	8/27/2003	9/29/2003
B1365-03	SO-W10-DF	---	DF1-3	---	SO-W10-DF	Debris Field 2, NW of SO-W09-DF	8/27/2003	8/27/2003	9/29/2003
B1365-04	SO-W11-DF	---	DF1-3	---	SO-W11-DF	Debris Field 1, NW of SO-W10-DF	8/27/2003	8/27/2003	9/29/2003
B1365-05	SO-W12-DF	---	DF1-3	---	SO-W12-DF	Debris Field 1, NW of SO-W11-DF	8/27/2003	8/27/2003	9/29/2003
B1365-06	SO-TB09	TB	---	---	SO-TB09	Trip Blank SO-W09 thru SO-W12, SO-ER04, SO-FD04	8/27/2003	8/27/2003	9/29/2003
B1365-07	SO-ER04	ER	---	---	SO-ER04	Re-sample VOA for S0-ER03, using VOA-free water	8/27/2003	8/27/2003	9/29/2003
B1365-08	SO-FD04	FD	DF4	---	SO-W06-DF	Debris Field 4, Composite 2, same as SO-W06-DF	8/27/2003	8/27/2003	9/29/2003
B1419-01	SO-W13-NP	---	NP	---	GP-2	GP-2, mid-property, 6-10'	9/5/2003	9/6/2003	9/30/2003
B1419-02	SO-W14-NP	---	NP	---	GP-1	GP1, southeast area, 1-5'	9/5/2003	9/6/2003	9/30/2003
B1419-03	SO-W15-NP	---	NP	---	GP-3	GP3, mid-property east side, 5-9'	9/6/2003	9/6/2003	9/30/2003
B1419-04	SO-W16-NP	---	NP	---	GP-5	GP5, northeast area, 5-9'	9/6/2003	9/6/2003	9/30/2003
B1419-05	SO-TB11	TB	---	---	SO-TB11	Trip Blank SO-W13 thru SO-W16	9/6/2003	9/6/2003	9/30/2003
B1485-01	SO-W07-DF	---	DF1-3	---	SO-W07-DF	Debris Field 3; southeast end	9/20/2003	9/20/2003	10/24/2003
B1485-02	SO-W08-DF	---	DF1-3	---	SO-W08-DF	Debris Field 3	9/20/2003	9/20/2003	10/24/2003
B1485-03	SO-W09-DF	---	DF1-3	---	SO-W09-DF	Debris Field 2, NW of SO-W08-DF	9/20/2003	9/20/2003	10/24/2003
B1485-04	SO-W10-DF	---	DF1-3	---	SO-W10-DF	Debris Field 2, NW of SO-W09-DF	9/20/2003	9/20/2003	10/24/2003
B1485-05	SO-W11-DF	---	DF1-3	---	SO-W11-DF	Debris Field 1, NW of SO-W10-DF	9/20/2003	9/20/2003	10/24/2003
B1485-06	SO-W12-DF	---	DF1-3	---	SO-W12-DF	Debris Field 1, NW of SO-W11-DF	9/20/2003	9/20/2003	10/24/2003
B1485-07	SO-W05-DF	---	DF4	---	SO-W05-DF	Debris Field 4, composite 1	9/20/2003	9/20/2003	10/24/2003
B1485-08	SO-W06-DF	---	DF4	---	SO-W06-DF	Debris Field 4, composite 2	9/20/2003	9/20/2003	10/24/2003
Subsurface Soil									
B1419-12	SSO-01-NP	MS/MSD	NP	---	GP-4	GP4, mid-property north side, 1-5'	9/6/2003	9/6/2003	9/30/2003

Table H-2
Summary of Phase 1A samples by Mitkem Lab ID
Peterson/Puritan OU2

Mitkem Sample ID	Field Sample ID	Field QC Code	Location Name	Group	Station	Sample Location Description	Date Collected	Mitkem Received	Mitkem Reported
B1419-13	SSO-FD01	FD	NP	---	GP-4	same as SSO-O1-NP	9/6/2003	9/6/2003	9/30/2003
B1465-01	SSO-SPT1-5-LF	---	LF	---	SEA-601	SEA-601 4-6 ft	9/15/2003	9/16/2003	10/24/2003
B1465-02	SSO-SPT1-10-LF	---	LF	---	SEA-601	SEA-601 8-10 ft	9/15/2003	9/16/2003	10/24/2003
B1465-03	SSO-SPT1-15-LF	---	LF	---	SEA-601	SEA-601 15-20 ft	9/15/2003	9/16/2003	10/24/2003
B1465-04	SSO-SPT5-10-LF	---	LF	---	SEA-602B	SEA-602B 10-12 ft	9/15/2003	9/16/2003	10/24/2003
B1465-05	SSO-SPT5-15-LF	---	LF	---	SEA-602B	SEA-602B 14-16 ft	9/15/2003	9/16/2003	10/24/2003
B1465-06	SSO-SPT5-20-LF	---	LF	---	SEA-602B	SEA-602B 18-20 ft	9/15/2003	9/16/2003	10/24/2003
B1465-07	SSO-SPT5-25-LF	---	LF	---	SEA-602B	SEA-602B 24-26 ft	9/15/2003	9/16/2003	10/24/2003
B1465-08	SSO-SPT5-30-LF	---	LF	---	SEA-602B	SEA-602B 30-32 ft	9/15/2003	9/16/2003	10/24/2003
B1465-09	SSO-SPT4-5-LF	---	LF	---	SEA-605	SEA-605 5-7 ft	9/18/2003	9/18/2003	10/24/2003
B1465-10	SSO-SPT4-10-LF	---	LF	---	SEA-605	SEA-605 9-11 ft	9/18/2003	9/18/2003	10/24/2003
B1465-11	SSO-SPT4-15-LF	---	LF	---	SEA-605	SEA-605 15-20 ft	9/18/2003	9/18/2003	10/24/2003
B1465-12	SSO-SPT3-5-LF	---	LF	---	SEA-604	SEA-604 4-6 ft	9/18/2003	9/18/2003	10/24/2003
B1465-13	SSO-SPT3-10-LF	---	LF	---	SEA-604	SEA-604 8-10 ft	9/18/2003	9/18/2003	10/24/2003
B1465-14	SSO-SPT3-15-LF	---	LF	---	SEA-604	SEA-604 15-20 ft	9/18/2003	9/18/2003	10/24/2003
B1465-15	SSO-SPT6-5-UI	---	UI	---	SEA-607	SEA-607 4-6 ft	9/19/2003	9/20/2003	10/24/2003
B1465-16	SSO-SPT6-10-UI	---	UI	---	SEA-607	SEA-607 10-12 ft	9/19/2003	9/20/2003	10/24/2003
B1465-17	SSO-SPT6-15-UI	---	UI	---	SEA-607	SEA-607 15-20 ft	9/19/2003	9/20/2003	10/24/2003
B1465-18	SSO-SPT7-5-UI	---	UI	---	SEA-608	SEA-608 4-6 ft	9/19/2003	9/20/2003	10/24/2003
B1465-19	SSO-SPT7-10-UI	---	UI	---	SEA-608	SEA-608 8-10 ft	9/19/2003	9/20/2003	10/24/2003
B1465-20	SSO-SPT7-15-UI	---	UI	---	SEA-608	SEA-608 15-20 ft	9/19/2003	9/20/2003	10/24/2003
B1478-09	SSO-SPT2-5-LF	---	LF	---	SEA-603	SEA-603 4-6 ft	9/21/2003	9/22/2003	10/24/2003
B1478-10	SSO-SPT2-10-LF	---	LF	---	SEA-603	SEA-603 8-10 ft	9/21/2003	9/22/2003	10/24/2003
B1478-11	SSO-SPT2-15-LF	---	LF	---	SEA-603	SEA-603 15-20 ft	9/21/2003	9/22/2003	10/24/2003
B1478-12	SSO-SPT8-5-NP	---	NP	---	SEA-606	SEA-606 4-6 ft	9/21/2003	9/22/2003	10/24/2003
B1478-13	SSO-SPT8-10-NP	---	NP	---	SEA-606	SEA-606 8-10 ft	9/21/2003	9/22/2003	10/24/2003
B1478-14	SSO-SPT8-15-NP	---	NP	---	SEA-606	SEA-606 15-20 ft	9/21/2003	9/22/2003	10/24/2003
---	SSO-SPT5-5-LF	---	LF	---	SEA-602B	SEA-602B 2-4 ft	9/15/2003	---	---
---	SSO-SPT5-35-LF	---	LF	---	SEA-602B	SEA-602B 32-34 ft	9/15/2003	---	---
Investigation Derived Waste									
B1602-02	IDW-Water	---	---	---	---	Wastewater Tank	10/7/2003	10/8/2003	10/29/2003
B1478-01	IDW-Soil	---	---	---	---	Waste Soil Drums	10/7/2003	10/8/2003	10/29/2003

Table H-3
Air

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	Vent #1	Vent #1	Vent #2	Vent #5
Field Sample ID	**AR-001-LF**	**AR-FD1**	**AR-003-LF**	**AR-002-LF**
Matrix	Air	Air	Air	Air
Field QC Code	---	FD	---	---
RISP East (ft)	350954	350954	351031	351244
RISP North (ft)	304599	304599	304539	304410
Sample Location Description	Landfill Vent #1	Landfill Vent #1, same as AR-001	Landfill Vent #2	Landfill Vent #5
Sample Date	10/7/2003	10/7/2003	10/7/2003	10/7/2003
Comments	---	---	---	---
Laboratory	STL-LA	STL-LA	STL-LA	STL-LA
Lab Sample ID	E3J090386-001,002	E3J090386-007,008	E3J090386-005,006	E3J090386-003,004
Lab Received	10/22/2003	10/22/2003	10/22/2003	10/22/2003
Lab Reported	11/1/2003	11/1/2003	11/1/2003	11/1/2003
Analyses	Fixed Gases (ASTM D1946) Hydrogen Sulfide (CFR60 EPA-16) VOCs (EPA-2 TO-15)	Fixed Gases (ASTM D1946) Hydrogen Sulfide (CFR60 EPA-16) VOCs (EPA-2 TO-15)	Fixed Gases (ASTM D1946) Hydrogen Sulfide (CFR60 EPA-16) VOCs (EPA-2 TO-15)	Fixed Gases (ASTM D1946) Hydrogen Sulfide (CFR60 EPA-16) VOCs (EPA-2 TO-15)

Table H-3
Ground Water Leachate

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	LF-TT-02	LF-TT-04	LF-TT-07	LF-TT-09
Field Sample ID	**GW-LE3-LF**	**GW-LE4-LF**	**GW-LE5-LF**	**GW-LE6-LF**
Matrix	GW Leachate	GW Leachate	GW Leachate	GW Leachate
Field QC Code	---	---	---	---
RISP East (ft)	350245	350879	351778	351481
RISP North (ft)	304911	304190	304012	304587
Sample Location Description	Test Trench LF-TT-02	Test Trench LF-TT-04	Test Trench LF-TT-07	Test Trench LF-TT-09
Sample Date	8/21/2003	8/21/2003	8/22/2003	8/22/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1315	B1315	B1315	B1315
Lab Sample ID	B1315-08	B1315-09	B1315-11	B1315-12
Lab Received	8/21/2003	8/21/2003	8/22/2003	8/22/2003
Lab Reported	10/14/2003	10/14/2003	10/14/2003	10/14/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
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	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water Leachate

Location	UI	UI	UI
Group	---	---	---
Station Name	UI-TT-06	UI-TT-06	UI-TT-10
Field Sample ID	**GW-LE01-UI**	**GW-FD01**	**GW-LE02-UI**
Matrix	GW Leachate	GW Leachate	GW Leachate
Field QC Code	MS/MSD	FD	---
RISP East (ft)	352243	352251	352029
RISP North (ft)	303047	303041	303219
Sample Location Description	Test Trench UI-TT-06	Trest Trench UI-TT-06, same as GW-LE01-UI	Test Trench UI-TT-10
Sample Date	8/19/2003	8/19/2003	8/19/2003
Comments	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem
SDG #	B1315	B1315	B1315
Lab Sample ID	B1315-03	B1315-05	B1315-04
Lab Received	8/19/2003	8/19/2003	8/19/2003
Lab Reported	10/14/2003	10/14/2003	10/14/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
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	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	QW	QW	DF1-3	LF
Group	---	---	---	---
Station Name	GZ-4-1	MW-A2	MW-106A	MW-108A
Field Sample ID	**GW-013-QW**	**GW-012-QW**	**GW-009-DF**	**GW-010-LF**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	---	---	---	---
RISP East (ft)	349845	349631	349232	351425
RISP North (ft)	305008	305194	305888	304622
Sample Location Description	GZ-4-1	MW-A2	MW-106A	MW-108A
Sample Date	10/1/2003	10/1/2003	10/2/2003	10/1/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1552	B1552	B1552	B1552
Lab Sample ID	B1552-23	B1552-22	B1552-18	B1552-20
Lab Received	10/2/2003	10/2/2003	10/2/2003	10/2/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	MW-108AA	MW-109A	MW-109AA	MW-B1
Field Sample ID	**GW-011-LF**	**GW-001-LF**	**GW-003-LF**	**GW-008-LF**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	---	---	---	---
RISP East (ft)	351409	352286	352270	351048
RISP North (ft)	304636	304052	304064	304030
Sample Location Description	MW-108AA	MW-109A	MW-109AA	MW-B1
Sample Date	10/1/2003	9/29/2003	9/30/2003	10/1/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1552	B1552	B1552	B1552
Lab Sample ID	B1552-21	B1552-03	B1552-05	B1552-24
Lab Received	10/2/2003	9/30/2003	10/1/2003	10/2/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	MW-B2	MW-C1	MW-C2	P-7
Field Sample ID	**GW-002-LF**	**GW-007-LF**	**GW-006-LF**	**GW-014-LF**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	MS/MSD	---	---	---
RISP East (ft)	351030	351568	351549	349997
RISP North (ft)	304055	303940	303949	305515
Sample Location Description	MW-B2	MW-C1	MW-C2	P-7
Sample Date	9/29/2003	9/30/2003	9/30/2003	10/2/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1552	B1552	B1552	B1587
Lab Sample ID	B1552-01	B1552-13	B1552-12	B1587-17
Lab Received	9/30/2003	9/30/2003	10/1/2003	10/3/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	P-8	SEA-601	SEA-602A	SEA-602B
Field Sample ID	**GW-018-LF**	**GW-017-LF**	**GW-022-LF**	**GW-023-LF**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	---	---	---	MS/MSD
RISP East (ft)	350413	350091	350264	350245
RISP North (ft)	304466	305174	304787	304752
Sample Location Description	P-8	SEA-601	SEA-602A	SEA-602B
Sample Date	10/2/2003	10/2/2003	10/3/2003	10/3/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1552	B1587	B1587	B1587
Lab Sample ID	B1552-14	B1587-18	B1587-10	B1587-11
Lab Received	10/2/2003	10/3/2003	10/4/2003	10/4/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	LF	LF	LF	NP
Group	---	---	---	---
Station Name	SEA-603	SEA-604	SEA-605	MW-112A
Field Sample ID	**GW-021-LF**	**GW-027-LF**	**GW-028-LF**	**GW-019-NP**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	---	---	---	---
RISP East (ft)	350690	351293	351808	353223
RISP North (ft)	304265	303909	303993	303499
Sample Location Description	SEA-603	SEA-604	SEA-605	MW-112A
Sample Date	10/3/2003	10/4/2003	10/4/2003	10/2/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1587	B1587	B1587	B1587
Lab Sample ID	B1587-12	B1587-02	B1587-03	B1587-16
Lab Received	10/3/2003	10/4/2003	10/4/2003	10/3/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	NP	NP	UI	UI
Group	---	---	---	---
Station Name	MW-112AA	SEA-606	SEA-607	SEA-608
Field Sample ID	**GW-020-NP**	**GW-024-NP**	**GW-025-UI**	**GW-026-UI**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	---	---	---	---
RISP East (ft)	353208	353151	352623	352478
RISP North (ft)	303511	302833	303156	302921
Sample Location Description	MW-112AA	SEA-606	SEA-607	SEA-608
Sample Date	10/3/2003	10/4/2003	10/3/2003	10/3/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1587	B1587	B1587	B1587
Lab Sample ID	B1587-14	B1587-04	B1587-06	B1587-07
Lab Received	10/3/2003	10/4/2003	10/4/2003	10/4/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	UI	WT	WT	WT
Group	---	A	A	A
Station Name	SEA-608	MW-110A	MW-110B	MW-110B
Field Sample ID	**GW-FD03**	**GW-004-WT**	**GW-005-WT**	**GW-FD02**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	FD	---	---	FD
RISP East (ft)	352478	353111	353124	353124
RISP North (ft)	302921	303927	303909	303909
Sample Location Description	SEA-608, same as GW-026-UI	MW-110A	MW-110B	MW-110B, same as GW-005-WT
Sample Date	10/3/2003	9/30/2003	9/30/2003	9/30/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1587	B1552	B1552	B1552
Lab Sample ID	B1587-08	B1552-06	B1552-07	B1552-08
Lab Received	10/4/2003	10/1/2003	10/1/2003	10/1/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Ground Water

Location	WT	WT
Group	A	A
Station Name	MW-111A	MW-111AA
Field Sample ID	**GW-016-WT**	**GW-015-WT**
Matrix	Ground Water	Ground Water
Field QC Code	---	---
RISP East (ft)	352817	352799
RISP North (ft)	303736	303749
Sample Location Description	MW-111A	MW-111AA
Sample Date	10/2/2003	10/2/2003
Comments	---	---
Laboratory	Mitkem	Mitkem
SDG #	B1552	B1552
Lab Sample ID	B1552-16	B1552-15
Lab Received	10/2/2003	10/2/2003
Lab Reported	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)
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Table H-3
Surface Water

Location	BR	BR	BR	BR
Group	---	---	---	---
Station Name	AD+05550	AD+07200	AD+08400	AD+10300
Field Sample ID	**SW-034-BR**	**SW-033-BR**	**SW-032-BR**	**SW-031-BR**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	---	---	---	---
RISP East (ft)	347021	347974	349118	350320
RISP North (ft)	307227	306037	305838	304417
Sample Location Description	Downstream of Martin Street	Near P-5	Near MW-106	Near P-8
Sample Date	9/10/2003	9/10/2003	9/10/2003	9/9/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1429	B1429	B1429	B1429
Lab Sample ID	B1429-15	B1429-10	B1429-08	B1429-07
Lab Received	9/10/2003	9/10/2003	9/10/2003	9/10/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)
	---	Metals, Dissolved (ILM4.1)	---	---
	---	Low Level Arsenic, Diss. (E1632)	---	---
	---	Ammonia (SM4500)	---	---
	---	Nitrite (SM4500)	---	---
	---	Nitrate (E353.2)	---	---
	---	Ortho-Phosphate (SM4500)	---	---
	---	Sulfate (SM4500)	---	---
	---	Hardness (SM2340)	---	---
	---	BOD (E405.1)	---	---
	---	Fecal Coliform (SM9221E)	---	---

Table H-3
Surface Water

Location	BR	BR	BR	BR
Group	---	---	---	---
Station Name	AD+11050	AD+11700B	AD+11750A	AD+11750A
Field Sample ID	**SW-030-BR**	**SW-025-BR**	**SW-029-BR**	**SW-FD-03**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	MS/MSD	---	---	FD
RISP East (ft)	350964	351455	351553	351553
RISP North (ft)	304017	303584	303893	303893
Sample Location Description	Near Pond B	Back channel, upstream end	Main channel near Pond C	Main channel near Pond C, same as SW-029-BR
Sample Date	9/9/2003	9/6/2003	9/9/2003	9/9/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1429	B1406	B1429	B1429
Lab Sample ID	B1429-03	B1406-15	B1429-01	B1429-02
Lab Received	9/9/2003	9/6/2003	9/9/2003	9/9/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)
	Metals, Dissolved (ILM4.1)	---	---	---
	Low Level Arsenic, Diss. (E1632)	---	---	---
	Ammonia (SM4500)	---	---	---
	Nitrite (SM4500)	---	---	---
	Nitrate (E353.2)	---	---	---
	Ortho-Phosphate (SM4500)	---	---	---
	Sulfate (SM4500)	---	---	---
	Hardness (SM2340)	---	---	---
	BOD (E405.1)	---	---	---
	Fecal Coliform (SM9221E)	---	---	---

Table H-3
Surface Water

Location	BR	BR	BR	BR
Group	---	---	---	---
Station Name	AD+12500A	AD+12700B	AD+13100A	AD+13200B
Field Sample ID	**SW-028-BR**	**SW-024-BR**	**SW-027-BR**	**SW-023-BR**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	MS/MSD	---	---	---
RISP East (ft)	352298	352140	352777	352590
RISP North (ft)	303993	302920	303668	302628
Sample Location Description	Main channel near PZ-01	Back channel, midway down unnamed island	Main channel near MW-111	Back channel, downstream end
Sample Date	9/8/2003	9/6/2003	9/8/2003	9/6/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1406	B1406	B1406	B1406
Lab Sample ID	B1406-20	B1406-14	B1406-19	B1406-13
Lab Received	9/9/2003	9/6/2003	9/9/2003	9/6/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)
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Table H-3
Surface Water

Location	BR	BR	BR	BR
Group	---	---	---	NP
Station Name	AD+14200A	AD+14200A	AD-00250	AD+13500A
Field Sample ID	**SW-026-BR**	**SW-FD-02**	**SW-022-BR**	**SW-021-NP**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	---	FD	---	---
RISP East (ft)	352704	352704	345504	353106
RISP North (ft)	302739	302739	312561	303352
Sample Location Description	Upstream of Pratt Dam	Composite, same as SW-026-BR	Most Upstream Blackstone River	Inlet off Blackstone River main channel adjacent to transfer station (Nunes Property)
Sample Date	9/8/2003	9/8/2003	9/5/2003	9/5/2003
Comments	---	---	Collected re-sample for VOAs on 9/8/2003 (SW-022A-BR)	Labeled SW-021-WT on sample submitted to lab
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1406	B1406	B1406	B1406
Lab Sample ID	B1406-17	B1406-18	B1406-12	B1406-10
Lab Received	9/8/2003	9/8/2003	9/6/2003	9/5/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)
	Metals, Dissolved (ILM4.1)	Metals, Dissolved (ILM4.1)	---	---
	Low Level Arsenic, Diss. (E1632)	Low Level Arsenic, Diss. (E1632)	---	---
	Ammonia (SM4500)	Ammonia (SM4500)	---	---
	Nitrite (SM4500)	Nitrite (SM4500)	---	---
	Nitrate (E353.2)	Nitrate (E353.2)	---	---
	Ortho-Phosphate (SM4500)	Ortho-Phosphate (SM4500)	---	---
	Sulfate (SM4500)	Sulfate (SM4500)	---	---
	Hardness (SM2340)	Hardness (SM2340)	---	---
	BOD (E405.1)	BOD (E405.1)	---	---
	Fecal Coliform (SM9221E)	Fecal Coliform (SM9221E)	---	---

Table H-3
Surface Water

Location	BR	LF	LF	UI
Group	Pond F	Pond B	Pond C	Exc Pond
Station Name	SW-008-BR	SW-019-LF	SW-020-LF	---
Field Sample ID	**SW-008-BR**	**SW-019-WT**	**SW-020-LF**	**SW-004-UI**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	---	---	---	---
RISP East (ft)	352707	351002	351492	352156
RISP North (ft)	302351	304113	303936	303161
Sample Location Description	Pond F	Pond B near PZ-03	Pond C	Excavator Pond
Sample Date	9/2/2003	9/5/2003	9/5/2003	8/29/2003
Comments	---	No standing water, no surface water sample collected	Labeled SW-020-WT on sample submitted to lab	No standing water, no surface water sample collected
Laboratory	Mitkem	---	Mitkem	---
SDG #	B1373	---	B1406	---
Lab Sample ID	B1373-13	---	B1406-08	---
Lab Received	9/2/2003	---	9/5/2003	---
Lab Reported	10/14/2003	---	10/20/2003	---
Analyses	Low Level Volatiles (OLC3.2)	---	Low Level Volatiles (OLC3.2)	---
	Semivolatiles (OLC3.2)	---	Semivolatiles (OLC3.2)	---
	PAHs (OLC3.2)	---	PAHs (OLC3.2)	---
	PAHs (PAH-SIM)	---	PAHs (PAH-SIM)	---
	Pesticides and PCBs (OLC3.2)	---	Pesticides and PCBs (OLC3.2)	---
	Metals and Cyanide (ILM4.1)	---	Metals and Cyanide (ILM4.1)	---
	Low Level Arsenic (E1632)	---	Low Level Arsenic (E1632)	---
	Chloride (E325.2)	---	Chloride (E325.2)	---
	Total Organic Carbon (E415.1)	---	Total Organic Carbon (E415.1)	---
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Table H-3
Surface Water

Location	UI	UI	UI	UI
Group	Pond A	Pond A	Pond A	Pond A
Station Name	SW-002-UI	SW-003-UI	SW-003-UI	SW-005-UI
Field Sample ID	**SW-002-UI**	**SW-003-UI**	**SW-FD01**	**SW-005-UI**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	---	---	FD	---
RISP East (ft)	352322	352274	352274	351741
RISP North (ft)	303548	303358	303358	303613
Sample Location Description	Middle of Pond A	South shore of Pond A near PZ-09	UI-Shore of Pond A, same as SW-003-UI	West shore of Pond A
Sample Date	8/28/2003	8/29/2003	8/29/2003	8/29/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1373	B1373	B1373	B1373
Lab Sample ID	B1373-02	B1373-05	B1373-08	B1373-06
Lab Received	8/28/2003	8/29/2003	8/29/2003	8/29/2003
Lab Reported	10/14/2003	10/14/2003	10/14/2003	10/14/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)
	Metals, Dissolved (ILM4.1)	---	---	---
	Low Level Arsenic, Diss. (E1632)	---	---	---
	Ammonia (SM4500)	---	---	---
	Nitrite (SM4500)	---	---	---
	Nitrate (E353.2)	---	---	---
	Ortho-Phosphate (SM4500)	---	---	---
	Sulfate (SM4500)	---	---	---
	Hardness (SM2340)	---	---	---
	BOD (E405.1)	---	---	---
	Fecal Coliform (SM9221E)	---	---	---

Table H-3
Surface Water

Location	UI	UI	UI	WT
Group	Pond A	Pond D	Pond E	A
Station Name	SW-006-UI	SW-007-UI	SW-001-UI	SW-009-WT
Field Sample ID	**SW-006-UI**	**SW-007-UI**	**SW-001-UI**	**SW-009-WT**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	---	---	---	---
RISP East (ft)	352759	352469	352478	352632
RISP North (ft)	303288	303107	303293	304076
Sample Location Description	Southeast shore of Pond A	Pond D	Pond E	East pond near PZ-10
Sample Date	8/29/2003	9/2/2003	8/28/2003	9/3/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1373	B1373	B1373	B1373
Lab Sample ID	B1373-07	B1373-12	B1373-01	B1373-15
Lab Received	8/29/2003	9/2/2003	8/28/2003	9/3/2003
Lab Reported	10/14/2003	10/14/2003	10/14/2003	10/14/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)
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Table H-3
Surface Water

Location	WT	WT	WT	WT
Group	B	B	B	B
Station Name	SW-010-WT	SW-011-WT	SW-013-WT	SW-014-WT
Field Sample ID	**SW-010-WT**	**SW-011-WT**	**SW-013-WT**	**SW-014-WT**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	---	---	---	---
RISP East (ft)	352839	352503	352312	351054
RISP North (ft)	304418	304331	304183	305540
Sample Location Description	Northeast shore, downstream of Panda culvert	Mid-pond southeast end	Southwest shore along RR, near PZ-11	North shore near PZ-13
Sample Date	9/3/2003	9/3/2003	9/4/2003	9/4/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1373	B1373	B1406	B1406
Lab Sample ID	B1373-16	B1373-17	B1406-02	B1406-03
Lab Received	9/3/2003	9/3/2003	9/4/2003	9/4/2003
Lab Reported	10/14/2003	10/14/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)
	---	Metals, Dissolved (ILM4.1)	---	---
	---	Low Level Arsenic, Diss. (E1632)	---	---
	---	Ammonia (SM4500)	---	---
	---	Nitrite (SM4500)	---	---
	---	Nitrate (E353.2)	---	---
	---	Ortho-Phosphate (SM4500)	---	---
	---	Sulfate (SM4500)	---	---
	---	Hardness (SM2340)	---	---
	---	BOD (E405.1)	---	---
	---	Fecal Coliform (SM9221E)	---	---

Table H-3
Surface Water

Location	WT	WT	WT	WT
Group	B	C	C	C
Station Name	SW-015-WT	SW-012-WT	SW-017-WT	SW-018-WT
Field Sample ID	**SW-015-WT**	**SW-012-WT**	**SW-017-WT**	**SW-018-WT**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	---	---	---	---
RISP East (ft)	351375	351477	350892	350492
RISP North (ft)	305724	305234	305080	305336
Sample Location Description	Monastery Brook upstream of road	Mid-pond, northeast area	Southwest shore along RR, near PZ-12	Southwest shore along RR, northwest of PZ-12
Sample Date	9/4/2003	9/3/2003	9/5/2003	9/5/2003
Comments	---	---	---	No standing water, no surface water sample collected
Laboratory	Mitkem	Mitkem	Mitkem	---
SDG #	B1406	B1406	B1406	---
Lab Sample ID	B1406-04	B1406-01	B1406-07	---
Lab Received	9/4/2003	9/4/2003	9/5/2003	---
Lab Reported	10/20/2003	10/20/2003	10/20/2003	---
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	---
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	---
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	---
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	---
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	---
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	---
	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)	---
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	---
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	---
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Table H-3
Surface Water

Location	WT
Group	D
Station Name	SW-016-WT
Field Sample ID	**SW-016-WT**
Matrix	Surface Water
Field QC Code	---
RISP East (ft)	349266
RISP North (ft)	306030
Sample Location Description	North end near PZ-15
Sample Date	9/4/2003
Comments	---
Laboratory	Mitkem
SDG #	B1406
Lab Sample ID	B1406-05
Lab Received	9/4/2003
Lab Reported	10/20/2003
Analyses	Low Level Volatiles (OLC3.2) Semivolatiles (OLC3.2) PAHs (OLC3.2) PAHs (PAH-SIM) Pesticides and PCBs (OLC3.2) Metals and Cyanide (ILM4.1) Low Level Arsenic (E1632) Chloride (E325.2) Total Organic Carbon (E415.1) --- --- --- --- --- --- --- --- --- ---

Table H-3
Sediment

Location	BR	BR	BR	BR
Group	---	---	---	---
Station Name	AD+05550	AD+07200	AD+08400	AD+10300
Field Sample ID	**SE-034-BR**	**SE-033-BR**	**SE-032-BR**	**SE-031-BR**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	---	---	---	---
RISP East (ft)	347021	347974	349118	350320
RISP North (ft)	307227	306037	305838	304417
Sample Location Description	Downstream of Martin Street	Near P-5	Near MW-106	Near P-8
Sample Date	Dark gray coarse SAND and brownish-orange angular to rounded Gravel, very poorly sorted, wet, no odor	Dark gray SAND, some well-rounded Gravel, well sorted, wet, no odor	0-8" Dark gray coarse SAND and Gravel, some Organic Matter, very poorly sorted, wet, no odor; 8-12" Dark gray SILT, some SAND, soft, low plasticity, wet, no odor, little Organic Matter	Gray and orange-brown coarse SAND and rounded Gravel, very poorly sorted, wet, no odor
Date Collected	9/10/2003	9/10/2003	9/10/2003	9/9/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1428	B1428	B1428	B1428
Lab Sample ID	B1428-10	B1428-08	B1428-06	B1428-05
Lab Received	9/10/2003	9/10/2003	9/10/2003	9/10/2003
Lab Reported	11/18/2003	11/18/2003	11/18/2003	11/18/2003
Percent Moisture	19	23	16	17
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/14/2003	9/14/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---

Table H-3
Sediment

Location	BR	BR	BR	BR
Group	---	---	---	---
Station Name	AD+11050	AD+11700B	AD+11750A	AD+11750A
Field Sample ID	**SE-030-BR**	**SE-025-BR**	**SE-029-BR**	**SE-FD03**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	---	---	---	FD
RISP East (ft)	350964	351455	351553	351553
RISP North (ft)	304017	303584	303893	303893
Sample Location Description	Near Pond B	Back channel, upstream end	Main channel near Pond C	Main channel near Pond C, same as SE-029-BR
Sample Date	Dark gray fine to coarse SAND, some Gravel, little Silt and Organic Matter, poorly sorted, wet, strong decaying Organic Matter odor	Dark gray SAND and Gravel, angular to rounded, Organic Matter, very poorly sorted, saturated, organic odor	Orange-brown coarse SAND and Gravel, trace Silt, trace Organic Matter, poorly sorted, no odor	See SE-029-BR
Date Collected	9/9/2003	9/6/2003	9/9/2003	9/9/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1428	B1405	B1428	B1428
Lab Sample ID	B1428-03	B1405-19	B1428-01	B1428-02
Lab Received	9/9/2003	9/6/2003	9/9/2003	9/9/2003
Lab Reported	11/18/2003	11/20/2003	11/18/2003	11/18/2003
Percent Moisture	13	13	16	8
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/14/2003	9/14/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---

Table H-3
Sediment

Location	BR	BR	BR	BR
Group	---	---	---	---
Station Name	AD+12500A	AD+12700B	AD+13100A	AD+13200B
Field Sample ID	**SE-028-BR**	**SE-024-BR**	**SE-027-BR**	**SE-023-BR**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	MS/MSD	---	---	---
RISP East (ft)	352298	352140	352777	352590
RISP North (ft)	303993	302920	303668	302628
Sample Location Description	Main channel near PZ-01	Back channel, midway down unnamed island	Main channel near MW-111	Composite, back channel downstream end
Sample Date	Dark gray coarse SAND, some Gravel, some Organic Matter, poorly sorted, wet	Gray fine SAND, some Gravel, little Organic Matter, wet, no odor	Dark gray fine SAND, some Silt, little Gravel, little Organic Matter, wet, no odor	Gray fine SAND, some rounded quartz Gravel, poorly sorted, little Organic Matter, wet, no odor
Date Collected	9/8/2003	9/6/2003	9/8/2003	9/6/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1405	B1405	B1405	B1405
Lab Sample ID	B1405-24	B1405-18	B1405-23	B1405-17
Lab Received	9/9/2003	9/6/2003	9/9/2003	9/6/2003
Lab Reported	11/20/2003	11/20/2003	11/20/2003	11/20/2003
Percent Moisture	12	33	38	19
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/14/2003	9/14/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---

Table H-3
Sediment

Location	BR	BR	BR	BR
Group	---	---	---	---
Station Name	AD+13500	AD+14200A	AD+14200A	AD-00250
Field Sample ID	**SE-021-NP**	**SE-026-BR**	**SE-FD-02**	**SE-022-BR**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	---	---	FD	---
RISP East (ft)	353106	352704	352704	345504
RISP North (ft)	303352	302739	302739	312561
Sample Location Description	Inlet off Blackstone River adjacent to transfer station (Nunes Property)	Composite, upstream of Pratt Dam	Composite, same as SE-026-BR	Most Upstream Blackstone River
Sample Date	Dark gray SILT and Sand, Organic Matter, soft, low plasticity, wet, organic odor	A- Light brown SAND and Gravel, little Silt, poorly sorted, wet, no odor B- Dk brown SAND, little Silt, trace Clay and trace Gravel, poorly sorted, wet, no odor C- Light brown SAND and Gravel, some Silt, poorly sorted, wet, no odor D- Light brown SAND and Gravel, poorly sorted, wet, no odor	See SE-026-BR	Brown fine SAND, some Silt, well sorted, wet, no odor
Date Collected	9/5/2003	9/8/2003	9/8/2003	9/5/2003
Comments	---	---	---	SE-022A was re-sample for VOCs only, collected 9/8/03
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1405	B1405	B1405	B1405
Lab Sample ID	B1405-15	B1405-21	B1405-22	B1405-16
Lab Received	9/5/2003	9/8/2003	9/8/2003	9/6/2003
Lab Reported	11/20/2003	11/20/2003	11/20/2003	11/20/2003
Percent Moisture	58	19	14	29
Special Prep	Freeze-drying	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) Total Organic Carbon (E415)	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/14/2003	9/14/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---

Location **Group** **Station Name**	BR Pond F SE-008-BR	LF Pond B SE-019-LF	LF Pond C SE-020-LF	UI Exc Pond SE-004-UI
Field Sample ID	**SE-008-BR**	**SE-019-LF**	**SE-020-LF**	**SE-004-UI**
Matrix **Field QC Code**	Sediment ---	Sediment ---	Sediment ---	Sediment ---
RISP East (ft) **RISP North (ft)**	352707 302351	351002 304113	351492 303936	352156 303161
Sample Location Description	Pond F	Pond B near PZ-03	Pond C	Excavator Pond
Sample Date	A - Brown coarse SAND and rounded Gravel, poorly sorted, wet, no odor B - Dark brown SILT, some plant matter, soft, wet, no odor C - Dark brown Clayey SILT, soft, wet, slight odor D - Dark brown coarse SAND, some Silt and Gravel, poorly sorted, wet, slight odor	0-6" Brown SILT, some Sand, little Organic Matter, soft, high plasticity, moist, no odor; 6-12" Brownish-orange Silty CLAY, little Organic Matter, soft, high plasticity, moist, no odor	Brownish-gray, SILT and Sand, some Organic Matter, soft, low plasticity, saturated, organic odor	Dark grayish-brown fine SAND and Silt, some root matter, soft, wet, slight sewer odor,
Date Collected **Comments**	9/2/2003 ---	9/5/2003 No standing water	9/5/2003 ---	8/29/2003 No standing water
Laboratory 1 **SDG #** **Lab Sample ID** **Lab Received** **Lab Reported** **Percent Moisture** **Special Prep** **Analyses**	Mitkem B1378 B1378-12 9/2/2003 11/18/2003 24 --- Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Mitkem B1405 B1405-12 9/5/2003 11/20/2003 48 --- Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Mitkem B1405 B1405-13 9/5/2003 11/20/2003 53 Freeze-drying Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Mitkem B1378 B1378-05 8/29/2003 11/18/2003 50 Freeze-drying Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---
Laboratory 2 **Lab Received** **Lab Reported** **Analyses**	SEI 9/14/2003 12/11/2003 Grain Size (ASTM D422) --- ---	SEI 9/14/2003 12/11/2003 Grain Size (ASTM D422) Liquid-Plastic Limits (ASTMD4318) ---	SEI 9/14/2003 12/11/2003 Grain Size (ASTM D422) --- ---	SEI 9/14/2003 12/11/2003 Grain Size (ASTM D422) --- ---

Table H-3
Sediment

Location	UI	UI	UI	UI
Group	Pond A	Pond A	Pond A	Pond A
Station Name	SE-002-UI	SE-003-UI	SE-003-UI	SE-005-UI
Field Sample ID	**SE-002-UI**	**SE-003-UI**	**SE-FD01**	**SE-005-UI**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	---	---	FD	---
RISP East (ft)	352322	352274	352274	351741
RISP North (ft)	303548	303358	303358	303613
Sample Location Description	Middle of Pond A	UI-Shore of Pond A	UI-Shore of Pond A, same as SE-003-UI	West shore of Pond A
Sample Date	Dark grayish-brown SILT, some fine SAND, well sorted, soft, wet, slight sewer odor	Brown fine to coarse SAND and Gravel, poorly sorted, well rounded, trace Silt, wet, no odor	See SE-003-UI	Brown fine to coarse SAND, some rounded Gravel, little Silt, some plant matter, poorly sorted, wet, slight odor
Date Collected	8/28/2003	8/29/2003	8/29/2003	8/29/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1378	B1378	B1378	B1378
Lab Sample ID	B1378-02	B1378-04	B1378-08	B1378-06
Lab Received	8/28/2003	8/29/2003	8/29/2003	8/29/2003
Lab Reported	11/18/2003	11/18/2003	11/18/2003	11/18/2003
Percent Moisture	69	19	17	29
Special Prep	Freeze-drying	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	PAHs (PAH-SIM)	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	---	Total Organic Carbon (E415)	Total Organic Carbon (E415)	---
Laboratory 2	SEI	SEI	---	SEI
Lab Received	9/14/2003	9/14/2003	---	9/14/2003
Lab Reported	12/11/2003	12/11/2003	---	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	---	Grain Size (ASTM D422)
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Table H-3
Sediment

Location	UI	UI	UI	WT
Group	Pond A	Pond D	Pond E	A
Station Name	SE-006-UI	SE-007-UI	SE-001-UI	SE-009-WT
Field Sample ID	**SE-006-UI**	**SE-007-UI**	**SE-001-UI**	**SE-009-WT**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	---	---	MS/MSD	---
RISP East (ft)	352759	352469	352478	352632
RISP North (ft)	303288	303107	303293	304076
Sample Location Description	Southeast shore of Pond A	Pond D	Pond E	East pond near PZ-10
Sample Date	Dark brown fine to coarse SAND, some well-rounded Gravel, little Silt, poorly sorted, wet, no odor	Dark gray SAND, some Silt, loose, wet, no odor	Dark brown fine SAND and Silt, soft, moist, no odor, trace red brick	Brown SAND and Gravel, little Silt, wet, no odor
Date Collected	8/29/2003	9/2/2003	8/28/2003	9/3/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1378	B1378	B1378	B1405
Lab Sample ID	B1378-07	B1378-11	B1378-01	B1405-01
Lab Received	8/29/2003	9/2/2003	8/28/2003	9/4/2003
Lab Reported	11/18/2003	11/18/2003	11/18/2003	11/20/2003
Percent Moisture	33	57	53	19
Special Prep	---	Freeze-drying	Freeze-drying	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	PAHs (PAH-SIM)	---	---	PAHs (PAH-SIM)
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	---	---	---	---
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/14/2003	9/14/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
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Table H-3
Sediment

Location	WT	WT	WT	WT
Group	B	B	B	C
Station Name	SE-010-WT	SE-011-WT	SE-013-WT	SE-012-WT
Field Sample ID	**SE-010-WT**	**SE-011-WT**	**SE-013-WT**	**SE-012-WT**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	---	---	---	---
RISP East (ft)	352839	352503	352312	351477
RISP North (ft)	304418	304331	304183	305234
Sample Location Description	Northeast shore, downstream of Panda culvert	Mid-pond southeast end	Southwest shore along RR, near PZ-11	Mid-pond, northeast area
Sample Date	Dark brown SILT, some fine Sand and Clay, trace plant matter, soft, wet, slight sulfur odor	Brown medium to coarse SAND and Gravel, poorly sorted, rounded, little Silt and Clay, wet, no odor	Dark gray Silty CLAY, some fine Sand, Organic Matter, soft, medium plasticity, saturated, no odor	0-10" Gray SAND, some Silt, abundant Organic Matter, wet, no odor; 10-12" Gray SAND, medium to well sorted, little Organic Matter, saturated, no odor
Date Collected	9/3/2003	9/3/2003	9/4/2003	9/3/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1405	B1405	B1405	B1405
Lab Sample ID	B1405-02	B1405-03	B1405-06	B1405-05
Lab Received	9/4/2003	9/4/2003	9/4/2003	9/4/2003
Lab Reported	11/20/2003	11/20/2003	11/20/2003	11/20/2003
Percent Moisture	64	39	37	48
Special Prep	Freeze-drying	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	PAHs (PAH-SIM)	PAHs (PAH-SIM)	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	---	---	---	---
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/14/2003	9/14/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
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Table H-3
Sediment

Location	WT	WT	WT	WT
Group	C	C	C	C
Station Name	SE-014-WT	SE-015-WT	SE-017-WT	SE-018-WT
Field Sample ID	**SE-014-WT**	**SE-015-WT**	**SE-017-WT**	**SE-018-WT**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	---	---	---	---
RISP East (ft)	351054	351375	350892	350492
RISP North (ft)	305540	305724	305080	305336
Sample Location Description	North shore near PZ-13	Monastery Brook upstream of road	Southwest shore along RR, near PZ-12	Southwest shore along RR, northwest of PZ-12
Sample Date	0-2" Brown SAND, some Silt, Organic Matter, poorly sorted, wet, no odor; 2-12" Brown Silty CLAY, Organic Matter, soft, medium plasticity, wet, no odor	Brown coarse SAND, trace Gravel, Organic Matter, wet, no odor	Brownish gray Silty CLAY, little Organic Matter, medium stiff, high plasticity, saturated, no odor	Brownish-tan Silty CLAY, little Organic Matter, stiff, high plasticity, moist, no odor
Date Collected	9/4/2003	9/4/2003	9/5/2003	9/5/2003
Comments	---	---	---	No standing water
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1405	B1405	B1405	B1405
Lab Sample ID	B1405-07	B1405-08	B1405-10	B1405-11
Lab Received	9/4/2003	9/4/2003	9/5/2003	9/5/2003
Lab Reported	11/20/2003	11/20/2003	11/20/2003	11/20/2003
Percent Moisture	60	19	46	40
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/14/2003	9/14/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---	Grain Size (ASTM D422) --- ---

Table H-3
Sediment

Location	WT
Group	D
Station Name	SE-016-WT
Field Sample ID	**SE-016-WT**
Matrix	Sediment
Field QC Code	---
RISP East (ft)	349266
RISP North (ft)	306030
Sample Location Description	North end near PZ-15
Sample Date	Greenish-gray Silty CLAY, some Sand and Gravel, Organic Matter, soft, medium plasticity, wet, no odor
Date Collected	9/4/2003
Comments	---
Laboratory 1	Mitkem
SDG #	B1405
Lab Sample ID	B1405-09
Lab Received	9/4/2003
Lab Reported	11/20/2003
Percent Moisture	44
Special Prep	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) PAHs (PAH-SIM) Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) TCO (ASTMD2974) ---
Laboratory 2	SEI
Lab Received	9/14/2003
Lab Reported	12/11/2003
Analyses	Grain Size (ASTM D422) --- ---

Table H-3
Surface Soil

Location **Group** **Station Name**	LF --- SO-018-LF	LF --- SO-019-LF	LF --- SO-020-LF	LF --- SO-021-LF
Field Sample ID	**SO-018-LF**	**SO-019-LF**	**SO-020-LF**	**SO-021-LF**
Matrix **Field QC Code**	Soil ---	Soil ---	Soil ---	Soil ---
RISP East (ft) **RISP North (ft)**	352186 304042	351543 304026	351346 303890	351366 304028
Sample Location Description	Shore near MW-109	Shore near MW-C1	Shore near SEA-604	LF toe near stone wall corner
Sample Date	0-6" Light brown SILT, some Gravel and Cobbles, little Organic Matter, soft, low plasticity, no odor or staining; 6-12" same as above with plastic bags, cigarette butts and broken glass at 12"	0-6" Light brown and yellow-orange SILT some quartz Gravel, little Organic Matter, soft, low plasticity, dry, no odor or staining, some trash; 6-12" same as above mixed with light gray fine SAND and Gravel, fine-grained, loose, dry, no odor or staining	0-6" Light and dark brown SILT, little Organic Matter, soft, low plasticity, dry, no odor or staining; 6-12" Light brown SILT, little Organic Matter, soft, low plasticity, dry, no odor or staining, mixed with light brown fine SAND and Gravel, little Organic Matter, fine-grained, loose, dry, no odor or staining	0-10" Light gray and brown fine SAND, some Silt, little Organic Matter, loose, dry, no odor or staining; Hand auger refusal at 10" in quartz GRAVEL
Date Collected **Comments**	8/21/2003 ---	8/21/2003 ---	8/21/2003 ---	8/21/2003 ---
Laboratory 1 **SDG #** **Lab Sample ID** **Lab Received** **Lab Reported** **Percent Moisture** **Special Prep** **Analyses**	Mitkem B1330 B1330-02 8/21/2003 9/30/2003 4 --- Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Mitkem B1330 B1330-03 8/21/2003 9/30/2003 8 --- Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Mitkem B1330 B1330-04 8/21/2003 9/30/2003 20 --- Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Mitkem B1330 B1330-05 8/21/2003 9/30/2003 15 --- Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---
Laboratory 2 **Lab Received** **Lab Reported** **Analyses**	--- --- --- --- --- ---	--- --- --- --- --- ---	--- --- --- --- --- ---	--- --- --- --- --- ---

Table H-3
Surface Soil

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	SO-022-LF	SO-022-LF	SO-023-LF	SO-024-LF
Field Sample ID	**SO-022-LF**	**SO-FD-03**	**SO-023-LF**	**SO-024-LF**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	FD	---	---
RISP East (ft)	351140	---	349685	350959
RISP North (ft)	304039	---	305582	304077
Sample Location Description	Shore near MW-B2	Near MW-B2, same as SO-022-LF	Shore northwest of Landfill	Shore between Pond B and River
Sample Date	0-3" Dark brown SILT, little Organic Matter, soft, low plasticity, dry, no odor or staining; 3-6" Light brown SILT, little Organic Matter, soft, low plasticity, dry, no odor or stainingr; 6-12" Light brown Clayey SILT, little Organic Matter, soft, medium plasticity, dry, no odor or staining	See SO-022-LF	0-6" Brown SILT, little Organic Matter, low plasticity, soft, dry, no odor or staining; 6-12" Light brown SILT, little Organic Matter, soft, low plasticity, dry	0-12" Light brown fine SAND, some Silt, little Organic Matter, loose, dry, no odor or staining
Date Collected	8/21/2003	8/21/2003	8/22/2003	8/22/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1330	B1330	B1330	B1330
Lab Sample ID	B1330-06	B1330-07	B1330-11	B1330-12
Lab Received	8/21/2003	8/21/2003	8/22/2003	8/22/2003
Lab Reported	9/30/2003	9/30/2003	9/30/2003	9/30/2003
Percent Moisture	23	23	17	13
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	--- --- ---	--- --- ---	--- --- ---	--- --- ---

Table H-3
Surface Soil

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	SO-025-LF	SO-026-LF	SO-027-LF	SO-028-LF
Field Sample ID	**SO-025-LF**	**SO-026-LF**	**SO-027-LF**	**SO-028-LF**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	---	---	---
RISP East (ft)	349817	349954	350103	350230
RISP North (ft)	305414	305284	305071	304761
Sample Location Description	Shore near P-7	Shore upstream of SEA-601	Shore downstream of SEA-601	Shore near SEA-602A/B
Sample Date	0-12" Light brown fine SAND, little Organic Matter, loose, dry (moist 6-12"), no odor or staining, Organic Matter, increasing Gravel below 6"	0-6" Brown Sandy SILT, little Organic Matter, soft, low plasticity, dry, no odor or staining; 6 12" same as above with quartz Gravel	0-12" Light brown fine SAND, some Silt, little Organic Matter, fine-grained, loose, dry, no odor or staining, Organic Matter	0-6" Brown SILT, some Sand soft, low plasticity, dry, no odor or staining, Organic Matter; 6-12" Brown Clayey SILT with little Sand, soft, low plasticity, no odor or staining
Date Collected	8/22/2003	8/22/2003	8/22/2003	8/22/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1330	B1330	B1330	B1330
Lab Sample ID	B1330-13	B1330-14	B1330-15	B1330-16
Lab Received	8/22/2003	8/22/2003	8/22/2003	8/22/2003
Lab Reported	9/30/2003	9/30/2003	9/30/2003	9/30/2003
Percent Moisture	14	25	8	44
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	---	---
	---	---	---	---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	---	---	---	---
	---	---	---	---
	---	---	---	---

Table H-3
Surface Soil

Location	LF	LF	LF	NP
Group	---	---	---	---
Station Name	SO-029-LF	SO-030-LF	SO-032-LF	SO-008-NP
Field Sample ID	**SO-029-LF**	**SO-030-LF**	**SO-032-LF**	**SO-008-NP**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	---	MS/MSD	---
RISP East (ft)	350291	350472	350558	352762
RISP North (ft)	304526	304386	304314	302740
Sample Location Description	Shore downstream of SEA-602A/B	Shore downstream of P-8	Next to SEA-603	Shore of river near dam
Sample Date	0-12" Brown SILT, some light brown SAND, soft, low plasticity, dry, no odor or staining	0-10" Light brown fine SAND, some Silt, little Organic Matter, loose, dry, no odor or staining; 10-12" Gray fine SAND, little Organic Matter, fine-grained, loose, dry, no odor or staining	0-6" Brown SILT, soft, low plasticity, dry; 6-12" Light brown SAND, loose, dry	0-12" Light brown SILT, little Organic Matter, soft, low plasticity, dry (moist 0-3"), no odor or staining
Date Collected	8/22/2003	8/22/2003	8/28/2003	8/19/2003
Comments	---	---	SO-032-LF was a re-sample of SO-031-LF, which was not analyzed. The location was re-sampled in order to collect an ER for the SDG.	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1330	B1330	B1330	B1309
Lab Sample ID	B1330-17	B1330-18	B1330-20	B1309-11
Lab Received	8/22/2003	8/22/2003	8/28/2003	8/19/2003
Lab Reported	9/30/2003	9/30/2003	9/30/2003	9/23/2003
Percent Moisture	34	27	21	28
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	--- --- ---	--- --- ---	--- --- ---	--- --- ---

Table H-3
Surface Soil

Location	NP	NP	NP	NP
Group	---	---	---	---
Station Name	SO-009-NP	SO-017-NP	SO-033-NP	SO-034-NP
Field Sample ID	**SO-009-NP**	**SO-017-NP**	**SO-033-NP**	**SO-034-NP**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	---	---	---
RISP East (ft)	352966	353115	352976	352970
RISP North (ft)	303089	303446	302763	302965
Sample Location Description	Shore of river upstream from SO-008	North end near MW-112	GP-1, southeast area, 0-1'	GP-2, mid-property, 0-1'
Sample Date	0-6" Brown SILT, some Sand at 3"-6", little Organic Matter, soft, low plasticity, dry, no odor or staining,; 6-12" Brown SILT, soft, low plasticity, dry, no odor or staining	0-6" Dark brown SILT, little Organic Matter, soft, low plasticity, dry, no odor or staining; 6"-12" same as above mixed with light gray fine SAND, loose, dry, no odor or staining	See Log for GP-1, Appendix E2	See Log for GP-2, Appendix E2
Date Collected	8/19/2003	8/21/2003	9/5/2003	9/5/2003
Comments	---	---	Labeled SO-33-NP on sample submitted to lab	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1309	B1330	B1419	B1419
Lab Sample ID	B1309-12	B1330-01	B1419-07	B1419-08
Lab Received	8/19/2003	8/21/2003	9/6/2003	9/6/2003
Lab Reported	9/23/2003	9/30/2003	9/30/2003	9/30/2003
Percent Moisture	24	20	16	13
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1)	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---
Laboratory 2	---	---		---
Lab Received	---	---		---
Lab Reported	---	---		---
Analyses	--- --- --- ---	--- --- --- ---		--- --- --- ---

Table H-3
Surface Soil

Location	NP	NP	NP	QW
Group	---	---	---	BG
Station Name	SO-035-NP	SO-036-NP	SO-037-NP	SO-001-BG
Field Sample ID	**SO-035-NP**	**SO-036-NP**	**SO-037-NP**	**SO-001-BG**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	---	---	MS/MSD
RISP East (ft)	353137	353156	353326	349023
RISP North (ft)	302982	303119	303126	305485
Sample Location Description	GP-3, mid-property east side, 0-1'	GP-4, mid-property north side, 0-1'	GP-5, northeast area, 0-1'	Quinnville Wellfield, north side
Sample Date	See Log for GP-3 Appendix E2	See Log for GP-4 Appendix E2	See Log for GP-5 Appendix E2	0-3" Brown SILT, some Organic Matter, soft, low plasticity, dry, no odor or staining; 3-12" Light brown to gray fine SAND, well sorted, medium dense, dry, no odor or staining
Date Collected	9/6/2003	9/6/2003	9/6/2003	8/18/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1419	B1419	B1419	B1309
Lab Sample ID	B1419-09	B1419-10	B1419-11	B1309-01
Lab Received	9/6/2003	9/6/2003	9/6/2003	8/18/2003
Lab Reported	9/30/2003	9/30/2003	9/30/2003	9/23/2003
Percent Moisture	13	7	12	21
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	---	---
	---	---	---	---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	---	---	---	---
	---	---	---	---
	---	---	---	---

Table H-3
Surface Soil

Location	QW	QW	QW	QW
Group	BG	BG	BG	BG
Station Name	SO-002-BG	SO-003-BG	SO-004-BG	SO-004-BG
Field Sample ID	**SO-002-BG**	**SO-003-BG**	**SO-004-BG**	**SO-FD01**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	---	---	FD
RISP East (ft)	349076	349159	349156	---
RISP North (ft)	305415	305356	305536	---
Sample Location Description	Quinnville Wellfield, north side	Quinnville Wellfield, north side	Quinnville Wellfield, north side	Quinnville wellfield, north side, same as SO-004-BG
Sample Date	0-6" Brown SILT, some Organic Matter, soft, low plasticity, dry, no odor or stainingr; 6-12" Gray to light brown fine SAND, medium dense, dry, no odor or staining.	0-6" Brown SILT, some Sand, little quartz Gravel, soft, low plasticity, dry, no odor or staining; 6-12" Brown to light gray SILT, some light gray and yellow-orange quartz Gravel and fine Sand, soft, low plasticity, dry, no odor or staining	0-6" Light Gray SAND, little Organic Matter, fine-grained, medium dense, dry, no odor or staining; 6-12" Light gray and dark brown SAND, little Organic Matter, fine-grained, medium dense, dry, no odor or staining	See SO-004-BG
Date Collected	8/18/2003	8/18/2003	8/18/2003	8/18/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1309	B1309	B1309	B1309
Lab Sample ID	B1309-02	B1309-03	B1309-04	B1309-07
Lab Received	8/18/2003	8/18/2003	8/18/2003	8/18/2003
Lab Reported	9/23/2003	9/23/2003	9/23/2003	9/23/2003
Percent Moisture	20	13	13	16
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	---	---
	---	---	---	---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	---	---	---	---
	---	---	---	---
	---	---	---	---

Table H-3
Surface Soil

Location	QW	UI	UI	UI
Group	BG	---	---	---
Station Name	SO-005-BG	SO-006-UI	SO-007-UI	SO-010-UI
Field Sample ID	**SO-005-BG**	**SO-006-UI**	**SO-007-UI**	**SO-010-UI**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	---	---	---
RISP East (ft)	349103	352210	352125	352594
RISP North (ft)	305585	303168	303035	302870
Sample Location Description	Quinnville Wellfield, north side	Excavator area	Shore along back channel SE of SO-016	South corner near PZ-08
Sample Date	0-12" Light gray SAND, little Organic Matter, medium dense, dry, no odor or staining	0-3" Brown SILT, little Organic Matter, soft, low plasticity, dry, no odor or staining; 3"-12" Light gray fine SAND, little quartz Gravel, little Organic Matter, medium dense, dry	0-9" Light gray fine SAND, little Organic Matter, medium dense, dry, no odor or staining; 9-12" Brown SILT, little Organic Matter, medium stiff, low plasticity, dry, no odor or staining	0-3" Brown Clayey SILT, little Organic Matter, soft, medium plasticity, dry, no odor or staining; 3-12" SA 0-3" mixed with light gray SAND, loose, dry, no odor or staining
Date Collected	8/18/2003	8/19/2003	8/19/2003	8/20/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1309	B1309	B1309	B1309
Lab Sample ID	B1309-05	B1309-09	B1309-10	B1309-14
Lab Received	8/18/2003	8/19/2003	8/19/2003	8/20/2003
Lab Reported	9/23/2003	9/23/2003	9/23/2003	9/23/2003
Percent Moisture	23	10	25	36
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	---	---
	---	---	---	---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	---	---	---	---
	---	---	---	---
	---	---	---	---

Table H-3
Surface Soil

Location	UI	UI	UI	UI
Group	---	---	---	---
Station Name	SO-011-UI	SO-012-UI	SO-013-UI	SO-014-UI
Field Sample ID	**SO-011-UI**	**SO-012-UI**	**SO-013-UI**	**SO-014-UI**
Matrix	Soil	Soil	Soil	Soil
Field QC Code	---	---	---	---
RISP East (ft)	352891	352517	352273	351496
RISP North (ft)	303338	303704	303867	303772
Sample Location Description	East corner near PZ-10	Northeast shore	North corner near PZ-17	North shore
Sample Date	0-3" Brown Clayey SILT, little Organic Matter, soft, medium plasticity, dry, no odor or staining; 3-6" Light gray fine SAND, little Organic Matter, loose, dry, no odor or staining; 6'-12" same with some rounded quartz Gravel	0-3" Brown Sandy SILT, little quartz gravel, little Organic Matter, soft, low plasticity, dry, no odor or staining; 3-6" Light gray fine SAND, some Silt, loose, dry, no odor or staining; 6"-12" Light gray fine SAND, little quartz Gravel, little Organic Matter, loose, dry, no odor or staining	0-12" Brown Sandy SILT, soft, low plasticity, dry, no odor or staining, Organic Matter, grading to brown and light gray Silty SAND, loose, dry, no odor or staining	0-12" Light brown fine SAND, some Silt, little Organic Matter, loose, dry, no odor or staining
Date Collected	8/20/2003	8/20/2003	8/20/2003	8/20/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1309	B1309	B1309	B1309
Lab Sample ID	B1309-15	B1309-16	B1309-17	B1309-18
Lab Received	8/20/2003	8/20/2003	8/20/2003	8/20/2003
Lab Reported	9/23/2003	9/23/2003	9/23/2003	9/23/2003
Percent Moisture	14	15	14	14
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	--- --- ---	--- --- ---	--- --- ---	--- --- ---

Table H-3
Surface Soil

Location	UI	UI
Group	---	---
Station Name	SO-015-UI	SO-016-UI
Field Sample ID	**SO-015-UI**	**SO-016-UI**
Matrix	Soil	Soil
Field QC Code	---	---
RISP East (ft)	352014	351787
RISP North (ft)	303894	303284
Sample Location Description	West corner near PZ-18	Shore along back channel NW of SO-007
Sample Date	0-3" Dark brown SILT, some sand, little Organic Matter, medium stiff, low plasticity, dry, no staining or odor; 3-12" Brown fine SAND, some quartz Gravel 6"-12", little Organic Matter, loose, dry, no staining or odor	0-6" Light brown fine SAND, some Silt, dry, no staining or odor; 6"-10" coarse quartz GRAVEL (refusal at 10")
Date Collected	8/20/2003	8/20/2003
Comments	---	---
Laboratory 1	Mitkem	Mitkem
SDG #	B1309	B1309
Lab Sample ID	B1309-19	B1309-20
Lab Received	8/20/2003	8/20/2003
Lab Reported	9/23/2003	9/23/2003
Percent Moisture	24	7
Special Prep	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---
Laboratory 2	---	---
Lab Received	---	---
Lab Reported	---	---
Analyses	--- --- --- --- ---	--- --- --- --- ---

Table H-3
Waste Soil

Location	DF1-3	DF1-3	DF1-3	DF1-3
Group	---	---	---	---
Station Name	SO-W07-DF	SO-W07-DF	SO-W08-DF	SO-W08-DF
Field Sample ID	**SO-W07-DF**	**SO-W07-DF**	**SO-W08-DF**	**SO-W08-DF**
Matrix	Waste Soil	Waste Soil	Waste Soil	Waste Soil
Field QC Code	---	---	---	---
RISP East (ft)	349057	349057	348937	348937
RISP North (ft)	305941	305941	306054	306054
Sample Location Description	Debris Field 3; southeast end	Debris Field 3; southeast end	Debris Field 3	Debris Field 3
Sample Date	A - Brown SILT, trace fine Sand, soft, dry, no odor. B - Brown SILT, some sand, non-plastic, soft, dry, no odor. C - Dark brown SILT and fine Sand, soft, dry, no odor. D - Brown fine SAND, some Silt, well-sorted, soft, dry, no odor.	Same as sample collected 8/26/03	A - Dark brown SILT, trace fine Sand, soft, moist, no odor. B - Dark brown SILT, trace fine to medium Sand, soft, moist, no odor. C - Dark bown SILT, trace fine sand, soft, damp, no odor. D - Brown fine SAND, little Silt, well sorted, damp, no odor.	Same as sample collected 8/26/03
Date Collected	8/26/2003	9/20/2003	8/26/2003	9/20/2003
Comments	---	Resample for SVOC/PEST/PCB	---	Resample for SVOC/PEST/PCB
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1316	B1485	B1316	B1485
Lab Sample ID	B1316-13	B1485-01	B1316-14	B1485-02
Lab Received	8/26/2003	9/20/2003	8/26/2003	9/20/2003
Lab Reported	9/30/2003	10/24/2003	9/30/2003	10/24/2003
Percent Moisture	16	20	18	15
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	---	Volatiles (OLM4.2)	---
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	---	Metals and Cyanide (ILM4.1)	---
	---	---	---	---
	---	---	---	---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---

Table H-3
Waste Soil

Location	DF1-3	DF1-3	DF1-3	DF1-3
Group	---	---	---	---
Station Name	SO-W09-DF	SO-W09-DF	SO-W10-DF	SO-W10-DF
Field Sample ID	**SO-W09-DF**	**SO-W09-DF**	**SO-W10-DF**	**SO-W10-DF**
Matrix	Waste Soil	Waste Soil	Waste Soil	Waste Soil
Field QC Code	---	---	---	---
RISP East (ft)	348802	348802	348425	348425
RISP North (ft)	306265	306265	306592	306592
Sample Location Description	Debris Field 2, NW of SO-W08-DF	Debris Field 2, NW of SO-W08-DF	Debris Field 2, NW of SO-W09-DF	Debris Field 2, NW of SO-W09-DF
Sample Date	A - Light gray SAND and Gravel, trace Organic Matter, loose, dry, no odor. B - Light gray SAND and Gravel, trace Organic Matter, loose, dry, no odor. C - Orange-brown to dark red-brown SAND and Gravel, some Silt, some Organic Matter, loose, moist, no odor. D - Dark brown Clayey SILT, low plasticity, soft, moist, no odor.	Same as sample collected 8/26/03	A - Brown fine to medium SAND, some Silt, little angular Gravel, poorly sorted, soft, dry, no odor. B - Brown fine to medium SAND, some Silt, little rounded Gravel, soft, dry, no odor. C - Brown fine to medium SAND, some Silt, little rounded Gravel, soft, dry, no odor. D - Brown fine SAND, some Silt, trace rounded Gravel, no odor.	Same as sample collected 8/27/03
Date Collected	8/26/2003	9/20/2003	8/27/2003	9/20/2003
Comments	---	Resample for SVOC/PEST/PCB	---	Resample for SVOC/PEST/PCB
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1365	B1485	B1365	B1485
Lab Sample ID	B1365-02	B1485-03	B1365-03	B1485-04
Lab Received	8/27/2003	9/20/2003	8/27/2003	9/20/2003
Lab Reported	9/29/2003	10/24/2003	9/29/2003	10/24/2003
Percent Moisture	8	15	2	16
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture --- Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) --- --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture --- Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) --- --- ---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---

Table H-3
Waste Soil

Location	DF1-3	DF1-3	DF1-3	DF1-3
Group	---	---	---	---
Station Name	SO-W11-DF	SO-W11-DF	SO-W12-DF	SO-W12-DF
Field Sample ID	**SO-W11-DF**	**SO-W11-DF**	**SO-W12-DF**	**SO-W12-DF**
Matrix	Waste Soil	Waste Soil	Waste Soil	Waste Soil
Field QC Code	---	---	---	---
RISP East (ft)	348219	348219	348078	348078
RISP North (ft)	306933	306933	307336	307336
Sample Location Description	Debris Field 1, NW of SO-W10-DF	Debris Field 1, NW of SO-W10-DF	Debris Field 1, NW of SO-W11-DF	Debris Field 1, NW of SO-W11-DF
Sample Date	A - Dark brown fine to medium SAND, some Silt, little rounded Gravel, trace slag and ash, poorly sorted, dry, no odor. B - Brown fine to medium SAND, some Silt, little rounded Gravel, soft, dry, no odor. C - Brown SILT, trace very fine Sand, soft, dry, no odor. D - Brown SILT, trace very fine Sand and rounded Gravel, soft, dry, no odor.	Same as sample collected 8/27/03	A - light brown fine to medium SAND, some Silt, little rounded Gravel, poorly sorted, dry, no odor. B - Light brown SILT, trace fine Sand, soft, dry, no odor. C - Brown medium SAND, some Silt, litle subangular Gravel, trace asphalt pieces, soft, dry. D - Brown SILT, some Sand and rounded Gravel, soft, dry, no odor.	Same as sample collected 8/27/03
Date Collected	8/27/2003	9/20/2003	8/27/2003	9/20/2003
Comments	---	Resample for SVOC/PEST/PCB	---	Resample for SVOC/PEST/PCB
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1365	B1485	B1365	B1485
Lab Sample ID	B1365-04	B1485-05	B1365-05	B1485-06
Lab Received	8/27/2003	9/20/2003	8/27/2003	9/20/2003
Lab Reported	9/29/2003	10/24/2003	9/29/2003	10/24/2003
Percent Moisture	9	21	6	25
Special Prep	---	---	---	---
Analyses	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture --- Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) --- --- ---	Percent Moisture Volatiles (OLM4.2) Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) Metals and Cyanide (ILM4.1) --- ---	Percent Moisture --- Semivolatiles (OLM4.2) PAHs (OLM4.2) --- Pesticides and PCBs (OLM4.2) --- --- ---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	--- --- --- ---	--- --- --- ---	--- --- --- ---	--- --- --- ---

Table H-3
Waste Soil

Location	DF4	DF4	DF4	DF4
Group	---	---	---	---
Station Name	SO-W05-DF	SO-W05-DF	SO-W06-DF	SO-W06-DF
Field Sample ID	**SO-W05-DF**	**SO-W05-DF**	**SO-W06-DF**	**SO-FD04**
Matrix	Waste Soil	Waste Soil	Waste Soil	Waste Soil
Field QC Code	---	---	---	FD
RISP East (ft)	351724	351724	351818	---
RISP North (ft)	304065	304065	304125	---
Sample Location Description	Debris Field 4, composite 1	Debris Field 4, composite 1	Debris Field 4, composite 2	Debris Field 4, Composite 2, same as SO-W06-DF
Sample Date	A - Brown fine SAND, some Silt, little coarse rounded Gravel, soft. B - Brown fine to medium SAND, poorly sorted, no odor. C - Brown fine to coarse SAND, some Silt, poorly sorted, soft, dry, no odor. D - Brown fine SAND, some Silt, well-sorted, dry, no odor.	Same as sample collected 8/26/03	A - Brown fine SAND, some Silt, little Gravel, well sorted, dry, no odor. B - Brown fine to coarse SAND, and Gravel, rounded, poorly-sorted, dry, no odor. C - Brown fine to medium SAND, some Gravel, rounded, poorly srted, dry, no odor. D - Brown fine SAND, little Silt and Gravel, rounded, dry, no odor.	---
Date Collected	8/26/2003	9/20/2003	8/26/2003	8/27/2003
Comments	---	Resample for SVOC/PEST/PCB	---	The original sample for this field duplicate ended up in the previous SDG (B1316) when the field delivery was divided up between two SDGs
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1365	B1485	B1316	B1365
Lab Sample ID	B1365-01	B1485-07	B1316-12	B1365-08
Lab Received	8/27/2003	9/20/2003	8/26/2003	8/27/2003
Lab Reported	9/29/2003	10/24/2003	9/30/2003	9/29/2003
Percent Moisture	8	5	6	5
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	---	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	---	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	---	---
	---	---	---	---
Laboratory 2	---	---	---	---
Lab Received	---	---	---	---
Lab Reported	---	---	---	---
Analyses	---	---	---	---
	---	---	---	---
	---	---	---	---

Table H-3
Waste Soil

Location	DF4	NP	NP	NP
Group	---	---	---	---
Station Name	SO-W06-DF	GP-1	GP-2	GP-3
Field Sample ID	**SO-W06-DF**	**SO-W14-NP**	**SO-W13-NP**	**SO-W15-NP**
Matrix	Waste Soil	Waste Soil	Waste Soil	Waste Soil
Field QC Code	---	---	---	---
RISP East (ft)	351818	352976	352970	353137
RISP North (ft)	304125	302763	302965	302982
Sample Location Description	Debris Field 4, composite 2	GP1, southeast area, 1-5'	GP-2, mid-property, 6-10'	GP3, mid-property east side, 5-9'
Sample Date	Same as sample collected 8/26/03	See Log for GP-1 Appendix E2	See Log for GP-2 Appendix E2	See Log for GP-3 Appendix E2
Date Collected	9/20/2003	9/5/2003	9/5/2003	9/6/2003
Comments	Resample for SVOC/PEST/PCB	---	---	Sample not viable for grain size testing (waste material)
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1485	B1419	B1419	B1419
Lab Sample ID	B1485-08	B1419-02	B1419-01	B1419-03
Lab Received	9/20/2003	9/6/2003	9/6/2003	9/6/2003
Lab Reported	10/24/2003	9/30/2003	9/30/2003	9/30/2003
Percent Moisture	16	17	22	18
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	---	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	---	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	---	---
	---	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)
Laboratory 2	---	---	SEI	SEI
Lab Received	---	---	9/14/2003	9/14/2003
Lab Reported	---	---	12/11/2003	---
Analyses	---	---	Grain Size (ASTM D422)	---
	---	---	---	---
	---	---	---	---

Table H-3
Waste Soil

Location	NP	UI	UI	UI
Group	---	---	---	---
Station Name	GP-5	UI-TT-01	UI-TT-03	UI-TT-03
Field Sample ID	**SO-W16-NP**	**SO-W03-UI**	**SO-W04-UI**	**SO-FD02**
Matrix	Waste Soil	Waste Soil	Waste Soil	Waste Soil
Field QC Code	---	---	---	FD
RISP East (ft)	353326	352495	352688	---
RISP North (ft)	303126	303379	303237	---
Sample Location Description	GP5, northeast area, 5-9'	Test Trenches UI-TT-01 and 02	Test Trench UI-TT-03	TestTrench UI-TT-03, same as SO-W04-UI
Sample Date	See Log for GP-5 Appendix E2	See log for UI-TT-01 in Appendix E1	See log for UI-TT-03 in Appendix E1	See SO-W04-UI
Date Collected	9/6/2003	8/20/2003	8/20/2003	8/20/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1419	B1316	B1316	B1316
Lab Sample ID	B1419-04	B1316-04	B1316-05	B1316-06
Lab Received	9/6/2003	8/20/2003	8/20/2003	8/20/2003
Lab Reported	9/30/2003	9/30/2003	9/30/2003	9/30/2003
Percent Moisture	8	19	20	20
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	---	---
	Total Organic Carbon (E415)	---	---	---
Laboratory 2	SEI	---	---	---
Lab Received	9/14/2003	---	---	---
Lab Reported	12/11/2003	---	---	---
Analyses	Grain Size (ASTM D422)	---	---	---
	---	---	---	---
	---	---	---	---

Table H-3
Waste Soil

Location	UI	UI
Group	---	---
Station Name	UI-TT-06	UI-TT-10
Field Sample ID	**SO-W01-UI**	**SO-W02-UI**
Matrix	Waste Soil	Waste Soil
Field QC Code	---	---
RISP East (ft)	352240	352045
RISP North (ft)	303053	303205
Sample Location Description	Test Trench UI-TT-06	Test Trench UI-TT-10
Sample Date	See log for UI-TT-06 in Appendix E1	See log for UI-TT-06 in Appendix E1
Date Collected	8/19/2003	8/19/2003
Comments	---	---
Laboratory 1	Mitkem	Mitkem
SDG #	B1316	B1316
Lab Sample ID	B1316-01	B1316-02
Lab Received	8/19/2003	8/19/2003
Lab Reported	9/30/2003	9/30/2003
Percent Moisture	22	31
Special Prep	---	---
Analyses	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)
	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---
	---	---
Laboratory 2	---	---
Lab Received	---	---
Lab Reported	---	---
Analyses	---	---
	---	---
	---	---

Table H-3
Subsurface Soil

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	SEA-601	SEA-601	SEA-601	SEA-602B
Field Sample ID	**SSO-SPT1-5-LF**	**SSO-SPT1-10-LF**	**SSO-SPT1-15-LF**	**SSO-SPT5-5-LF**
Matrix	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Field QC Code	---	---	---	---
RISP East (ft)	350091	350091	350091	350264
RISP North (ft)	305174	305174	305174	304787
Sample Location Description	SEA-601 4-6 ft	SEA-601 8-10 ft	SEA-601 15-20 ft	SEA-602B 2-4 ft
Sample Date	See Log for SEA-601 Appendix E3	See Log for SEA-601 Appendix E3	See Log for SEA-601 Appendix E3	See Log for SEA-602B Appendix E3
Date Collected	9/15/2003	9/15/2003	9/15/2003	9/15/2003
Comments	---	---	---	Not submitted to Mitkem (insufficient sample volume)
Laboratory 1	Mitkem	Mitkem	Mitkem	---
SDG #	B1465	B1465	B1465	---
Lab Sample ID	B1465-01	B1465-02	B1465-03	---
Lab Received	9/16/2003	9/16/2003	9/16/2003	---
Lab Reported	10/24/2003	10/24/2003	10/24/2003	---
Percent Moisture	2	9	14	---
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	---
	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)	---
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/22/2003	9/22/2003	9/24/2003	9/22/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	---	---	Specific Gravity (ASTM D 854)	---
	---	---	Compactn/density (ASTMD698-91B)	---

Table H-3
Subsurface Soil

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	SEA-602B	SEA-602B	SEA-602B	SEA-602B
Field Sample ID	**SSO-SPT5-10-LF**	**SSO-SPT5-15-LF**	**SSO-SPT5-20-LF**	**SSO-SPT5-25-LF**
Matrix	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Field QC Code	---	---	---	---
RISP East (ft)	350264	350264	350264	350264
RISP North (ft)	304787	304787	304787	304787
Sample Location Description	SEA-602B 10-12 ft	SEA-602B 14-16 ft	SEA-602B 18-20 ft	SEA-602B 24-26 ft
Sample Date	See Log for SEA-602B Appendix E3	See Log for SEA-602B Appendix E3	See Log for SEA-602B Appendix E3	See Log for SEA-602B Appendix E3
Date Collected	9/15/2003	9/15/2003	9/15/2003	9/15/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1465	B1465	B1465	B1465
Lab Sample ID	B1465-04	B1465-05	B1465-06	B1465-07
Lab Received	9/16/2003	9/16/2003	9/16/2003	9/16/2003
Lab Reported	10/24/2003	10/24/2003	10/24/2003	10/24/2003
Percent Moisture	9	13	11	17
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/22/2003	9/22/2003	9/22/2003	9/22/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	---	---	---	---
	---	---	---	---

Table H-3
Subsurface Soil

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	SEA-602B	SEA-602B	SEA-603	SEA-603
Field Sample ID	**SSO-SPT5-30-LF**	**SSO-SPT5-35-LF**	**SSO-SPT2-5-LF**	**SSO-SPT2-10-LF**
Matrix	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Field QC Code	---	---	---	---
RISP East (ft)	350264	350264	350690	350690
RISP North (ft)	304787	304787	304258	304258
Sample Location Description	SEA-602B 30-32 ft	SEA-602B 32-34 ft	SEA-603 4-6 ft	SEA-603 8-10 ft
Sample Date	See Log for SEA-602B Appendix E3	See Log for SEA-602B Appendix E3	See Log for SEA-603 Appendix E3	See Log for SEA-603 Appendix E3
Date Collected	9/15/2003	9/15/2003	9/21/2003	9/21/2003
Comments	Not submitted to SEI (insufficient sample volume)	Not submitted to Mitkem (insufficient sample volume)	---	---
Laboratory 1	Mitkem	---	Mitkem	Mitkem
SDG #	B1465	---	B1478	B1478
Lab Sample ID	B1465-08	---	B1478-09	B1478-10
Lab Received	9/16/2003	---	9/22/2003	9/22/2003
Lab Reported	10/24/2003	---	10/24/2003	10/24/2003
Percent Moisture	20	---	10	8
Special Prep	---	---	---	---
Analyses	Percent Moisture	---	Percent Moisture	Percent Moisture
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	TCO (ASTMD2974)	---	TCO (ASTMD2974)	TCO (ASTMD2974)
	Total Organic Carbon (E415)	---	Total Organic Carbon (E415)	Total Organic Carbon (E415)
Laboratory 2	---	SEI	SEI	SEI
Lab Received	---	9/24/2003	9/22/2003	9/22/2003
Lab Reported	---	12/11/2003	12/11/2003	12/11/2003
Analyses	---	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	---	Specific Gravity (ASTM D 854)	---	---
	---	Compactn/density (ASTMD698-91B)	---	---

Table H-3
Subsurface Soil

Location	LF	LF	LF	LF
Group	---	---	---	---
Station Name	SEA-603	SEA-604	SEA-604	SEA-604
Field Sample ID	**SSO-SPT2-15-LF**	**SSO-SPT3-5-LF**	**SSO-SPT3-10-LF**	**SSO-SPT3-15-LF**
Matrix	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Field QC Code	---	---	---	---
RISP East (ft)	350690	351293	351293	351293
RISP North (ft)	304258	303909	303909	303909
Sample Location Description	SEA-603 15-20 ft	SEA-604 4-6 ft	SEA-604 8-10 ft	SEA-604 15-20 ft
Sample Date	See Log for SEA-603 Appendix E3	See Log for SEA-604 Appendix E3	See Log for SEA-604 Appendix E3	See Log for SEA-604 Appendix E3
Date Collected	9/21/2003	9/18/2003	9/18/2003	9/18/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1478	B1465	B1465	B1465
Lab Sample ID	B1478-11	B1465-12	B1465-13	B1465-14
Lab Received	9/22/2003	9/18/2003	9/18/2003	9/18/2003
Lab Reported	10/24/2003	10/24/2003	10/24/2003	10/24/2003
Percent Moisture	13	7	20	19
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/24/2003	9/22/2003	9/22/2003	9/24/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	Specific Gravity (ASTM D 854)	---	---	Specific Gravity (ASTM D 854)
	Compactn/density (ASTMD698-91B)	---	---	Compactn/density (ASTMD698-91B)

Table H-3
Subsurface Soil

Location	LF	LF	LF	NP
Group	---	---	---	---
Station Name	SEA-605	SEA-605	SEA-605	GP-4
Field Sample ID	**SSO-SPT4-5-LF**	**SSO-SPT4-10-LF**	**SSO-SPT4-15-LF**	**SSO-01-NP**
Matrix	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Field QC Code	---	---	---	MS/MSD
RISP East (ft)	351808	351808	351808	353156
RISP North (ft)	303993	303993	303993	303119
Sample Location Description	SEA-605 5-7 ft	SEA-605 9-11 ft	SEA-605 15-20 ft	GP4, mid-property north side, 1-5'
Sample Date	See Log for SEA-605 Appendix E3	See Log for SEA-605 Appendix E3	See Log for SEA-605 Appendix E3	See Log for GP-4 Appendix E2
Date Collected	9/18/2003	9/18/2003	9/18/2003	9/6/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1465	B1465	B1465	B1419
Lab Sample ID	B1465-09	B1465-10	B1465-11	B1419-12
Lab Received	9/18/2003	9/18/2003	9/18/2003	9/6/2003
Lab Reported	10/24/2003	10/24/2003	10/24/2003	9/30/2003
Percent Moisture	5	11	11	15
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	---	---	---	Volatiles (OLM4.2)
	---	---	---	Semivolatiles (OLM4.2)
	---	---	---	PAHs (OLM4.2)
	---	---	---	---
	---	---	---	Pesticides and PCBs (OLM4.2)
	---	---	---	Metals and Cyanide (ILM4.1)
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	Total Organic Carbon (E415)	Total Organic Carbon (E415)	---	---
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/22/2003	9/22/2003	9/24/2003	9/14/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	---	---	Specific Gravity (ASTM D 854)	---
	---	---	Compactn/density (ASTMD698-91B)	---

Table H-3
Subsurface Soil

Location	NP	NP	NP	NP
Group	---	---	---	---
Station Name	GP-4	SEA-606	SEA-606	SEA-606
Field Sample ID	**SSO-FD01**	**SSO-SPT8-5-NP**	**SSO-SPT8-10-NP**	**SSO-SPT8-15-NP**
Matrix	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Field QC Code	FD	---	---	---
RISP East (ft)	353156	353151	353151	353151
RISP North (ft)	303119	302833	302833	302833
Sample Location Description	same as SSO-O1-NP	SEA-606 4-6 ft	SEA-606 8-10 ft	SEA-606 15-20 ft
Sample Date	See Log for GP-4 Appendix E2	See Log for SEA-606 Appendix E3	See Log for SEA-606 Appendix E3	See Log for SEA-606 Appendix E3
Date Collected	9/6/2003	9/21/2003	9/21/2003	9/21/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1419	B1478	B1478	B1478
Lab Sample ID	B1419-13	B1478-12	B1478-13	B1478-14
Lab Received	9/6/2003	9/22/2003	9/22/2003	9/22/2003
Lab Reported	9/30/2003	10/24/2003	10/24/2003	10/24/2003
Percent Moisture	16	15	12	18
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	Volatiles (OLM4.2)	---	---	---
	Semivolatiles (OLM4.2)	---	---	---
	PAHs (OLM4.2)	---	---	---
	---	---	---	---
	Pesticides and PCBs (OLM4.2)	---	---	---
	Metals and Cyanide (ILM4.1)	---	---	---
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	---	---	Total Organic Carbon (E415)	Total Organic Carbon (E415)
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/14/2003	9/22/2003	9/22/2003	9/24/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	---	---	---	Specific Gravity (ASTM D 854)
	---	---	---	Compactn/density (ASTMD698-91B)

Table H-3
Subsurface Soil

Location	UI	UI	UI	UI
Group	---	---	---	---
Station Name	SEA-607	SEA-607	SEA-607	SEA-608
Field Sample ID	**SSO-SPT6-5-UI**	**SSO-SPT6-10-UI**	**SSO-SPT6-15-UI**	**SSO-SPT7-5-UI**
Matrix	Subsurface Soil	Subsurface Soil	Subsurface Soil	Subsurface Soil
Field QC Code	---	---	---	---
RISP East (ft)	352623	352623	352623	352478
RISP North (ft)	303156	303156	303156	302921
Sample Location Description	SEA-607 4-6 ft	SEA-607 10-12 ft	SEA-607 15-20 ft	SEA-608 4-6 ft
Sample Date	See Log for SEA-607 Appendix E3	See Log for SEA-607 Appendix E3	See Log for SEA-607 Appendix E3	See Log for SEA-608 Appendix E3
Date Collected	9/19/2003	9/19/2003	9/19/2003	9/19/2003
Comments	---	---	---	---
Laboratory 1	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1465	B1465	B1465	B1465
Lab Sample ID	B1465-15	B1465-16	B1465-17	B1465-18
Lab Received	9/20/2003	9/20/2003	9/20/2003	9/20/2003
Lab Reported	10/24/2003	10/24/2003	10/24/2003	10/24/2003
Percent Moisture	7	11	17	5
Special Prep	---	---	---	---
Analyses	Percent Moisture	Percent Moisture	Percent Moisture	Percent Moisture
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	---	---	---	---
	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)	TCO (ASTMD2974)
	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)	Total Organic Carbon (E415)
Laboratory 2	SEI	SEI	SEI	SEI
Lab Received	9/22/2003	9/22/2003	9/24/2003	9/22/2003
Lab Reported	12/11/2003	12/11/2003	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	---	---	Specific Gravity (ASTM D 854)	---
	---	---	Compactn/density (ASTMD698-91B)	---

Table H-3
Subsurface Soil

Location	UI	UI
Group	---	---
Station Name	SEA-608	SEA-608
Field Sample ID	**SSO-SPT7-10-UI**	**SSO-SPT7-15-UI**
Matrix	Subsurface Soil	Subsurface Soil
Field QC Code	---	---
RISP East (ft)	352478	352478
RISP North (ft)	302921	302921
Sample Location Description	SEA-608 8-10 ft	SEA-608 15-20 ft
Sample Date	See Log for SEA-608 Appendix E3	See Log for SEA-608 Appendix E3
Date Collected	9/19/2003	9/19/2003
Comments	---	---
Laboratory 1	Mitkem	Mitkem
SDG #	B1465	B1465
Lab Sample ID	B1465-19	B1465-20
Lab Received	9/20/2003	9/20/2003
Lab Reported	10/24/2003	10/24/2003
Percent Moisture	22	15
Special Prep	---	---
Analyses	Percent Moisture	Percent Moisture
	---	---
	---	---
	---	---
	---	---
	---	---
	---	---
	TCO (ASTMD2974)	TCO (ASTMD2974)
	---	Total Organic Carbon (E415)
Laboratory 2	SEI	SEI
Lab Received	9/22/2003	9/24/2003
Lab Reported	12/11/2003	12/11/2003
Analyses	Grain Size (ASTM D422)	Grain Size (ASTM D422)
	---	Specific Gravity (ASTM D 854)
	---	Compactn/density (ASTMD698-91B)

Table H-3
Equipment Rinsates

Location	---	---	---	---
Group	---	---	---	---
Station Name	GW-ER1	GW-ER1	GW-ER-002	GW-ER-03
Field Sample ID	**GW-ER1**	**GW-ER1**	**GW-ER-002**	**GW-ER-03**
Matrix	GW Leachate	GW Leachate	Ground Water	Ground Water
Field QC Code	ER	ER	ER	ER
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	After GW-LE01 before GW-LE02-UI	After GW-LE01 before GW-LE02-UI	After MW-B2, before MW-C2	After SEA-602B before SEA-604
Sample Date	8/19/2003	8/22/2003	9/30/2003	10/4/2003
Comments	Did not use VOA-free water	Re-collected ER using VOA-free water	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1315	B1315	B1552	B1587
Lab Sample ID	B1315-01	B1315-13	B1552-10	B1587-01
Lab Received	8/19/2003	8/22/2003	10/1/2003	10/4/2003
Lab Reported	10/14/2003	10/14/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	Semivolatiles (OLC3.2)	---	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)
	PAHs (OLC3.2)	---	PAHs (OLC3.2)	PAHs (OLC3.2)
	PAHs (PAH-SIM)	---	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	---	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)
	Metals and Cyanide (ILM4.1)	---	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	---	---	Low Level Arsenic (E1632)	Low Level Arsenic (E1632)
	Chloride (E325.2)	---	Chloride (E325.2)	Chloride (E325.2)
	---	---	---	---

Table H-3
Equipment Rinsates

Location	---	---	---	---
Group	---	---	---	---
Station Name	SW-ER01	SW-ER02	SW-ER03	SE-ER01
Field Sample ID	**SW-ER01**	**SW-ER02**	**SW-ER03**	**SE-ER01**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	ER	ER	ER	ER
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	After SW-001-UI, before SW-002	After SW-028-BR, before SW-029	After SW-032-BR, before SW-033	After SW-006-UI, before SW-007
Sample Date	8/28/2003	9/8/2003	9/10/2003	8/29/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1373	B1406	B1429	B1378
Lab Sample ID	B1373-03	B1406-21	B1429-09	B1378-09
Lab Received	8/28/2003	9/9/2003	9/10/2003	8/29/2003
Lab Reported	10/14/2003	10/20/2003	10/20/2003	11/18/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Volatiles (OLM4.2)
	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLC3.2)	Semivolatiles (OLM4.2)
	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLC3.2)	PAHs (OLM4.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)	PAHs (PAH-SIM)
	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLC3.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Low Level Arsenic (E1632)	---	---	---
	Chloride (E325.2)	Chloride (E325.2)	Chloride (E325.2)	---
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)

Table H-3
Equipment Rinsates

Location	---	---	---	---
Group	---	---	---	---
Station Name	SE-ER02	SE-ER03	SOER01	SO-ER-02
Field Sample ID	**SE-ER02**	**SE-ER03**	**SOER01**	**SO-ER-02**
Matrix	Sediment	Sediment	Soil	Soil
Field QC Code	ER	ER	ER	ER
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	After SE-028-BR, before SE-029	After SE-032-BR, before SE-033	After SO-003, before SO-004	After SO-021, before SO-022, FD03
Sample Date	9/8/2003	9/10/2003	8/18/2003	8/21/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1405	B1428	B1309	B1330
Lab Sample ID	B1405-25	B1428-07	B1309-06	B1330-09
Lab Received	9/9/2003	9/10/2003	8/18/2003	8/21/2003
Lab Reported	11/20/2003	11/18/2003	9/23/2003	9/30/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)	PAHs (OLM4.2)
	PAHs (PAH-SIM)	PAHs (PAH-SIM)	---	---
	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)	Metals and Cyanide (ILM4.1)
	Chloride (E325.2)	---	---	---
	---	---	---	---
	Total Organic Carbon (E415.1)	Total Organic Carbon (E415.1)	---	---

Table H-3
Equipment Rinsates

Location	---	---	---
Group	---	---	---
Station Name	SO-ER03	SO-ER04	SO-ER05
Field Sample ID	**SO-ER03**	**SO-ER04**	**SO-ER05**
Matrix	Waste Soil	Waste Soil	Soil
Field QC Code	ER	ER	ER
RISP East (ft)	---	---	---
RISP North (ft)	---	---	---
Sample Location Description	After SO-W06, before SO-W07	Re-sample VOA for S0-ER03, using VOA-free water	After SO-033, before SO-034
Sample Date	8/26/2003	8/27/2003	9/5/2003
Comments	---	New ER was collected for VOA analysis only due to reported breakage of a previous ER sample container at the lab	---
Laboratory	Mitkem	Mitkem	Mitkem
SDG #	B1316	B1365	B1419
Lab Sample ID	B1316-09	B1365-07	B1419-06
Lab Received	8/26/2003	8/27/2003	9/6/2003
Lab Reported	9/30/2003	9/29/2003	9/30/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	Semivolatiles (OLM4.2)	---	Semivolatiles (OLM4.2)
	PAHs (OLM4.2)	---	PAHs (OLM4.2)
	---	---	---
	Pesticides and PCBs (OLM4.2)	---	Pesticides and PCBs (OLM4.2)
	Metals and Cyanide (ILM4.1)	---	Metals and Cyanide (ILM4.1)
	---	---	---
	---	---	---
	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	GW-TB01	GW-TB-010	GW-TB02	GW-TB03
Field Sample ID	**GW-TB01**	**GW-TB-010**	**GW-TB02**	**GW-TB03**
Matrix	GW Leachate	Ground Water	GW Leachate	GW Leachate
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank for GW-ER01	Trip Blank for GW-ER02, GW-006	Trip Blank for GWLE01	Trip Blank GW-LE5, GW-LE6
Sample Date	8/19/2003	9/30/2003	8/19/2003	8/19/2003
Comments	---	Different than sample GW-TB10	---	In Shield log, not received at Laboratory
Laboratory	Mitkem	Mitkem	Mitkem	---
SDG #	B1315	B1552	B1315	---
Lab Sample ID	B1315-02	B1552-11	B1315-06	---
Lab Received	8/19/2003	10/1/2003	8/19/2003	---
Lab Reported	10/14/2003	10/29/2003	10/14/2003	---
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	---
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	GW-TB-04	GW-TB05	GW-TB06	GW-TB07
Field Sample ID	**GW-TB-04**	**GW-TB05**	**GW-TB06**	**GW-TB07**
Matrix	GW Leachate	GW Leachate	GW Leachate	Ground Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank for GW-FD01	Trip Blank GW-LE3, GW-LE4	Trip Blank GW-LE5, GW-LE6	Trip Blank GW-001
Sample Date	8/19/2003	8/21/2003	8/22/2003	9/29/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1315	B1315	B1315	B1552
Lab Sample ID	B1315-07	B1315-10	B1315-13	B1552-04
Lab Received	8/19/2003	8/21/2003	8/21/2003	9/30/2003
Lab Reported	10/14/2003	10/14/2003	10/14/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	GW-TB08	GW-TB09	GW-TB10	GW-TB11
Field Sample ID	**GW-TB08**	**GW-TB09**	**GW-TB10**	**GW-TB11**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank GW-002	Trip Blank GW-003 thru GW-005	Trip Blank GW-009 thru GW-011	Trip Blank GW-008, GW-012, GW-013
Sample Date	9/29/2003	9/30/2003	10/1/2003	10/1/2003
Comments	---	---	Different than sample GW-TB-010	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1552	B1552	B1552	B1552
Lab Sample ID	B1552-02	B1552-09	B1552-19	B1552-25
Lab Received	9/30/2003	10/1/2003	10/2/2003	10/2/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	GW-TB12	GW-TB13	GW-TB14	GW-TB15
Field Sample ID	**GW-TB12**	**GW-TB13**	**GW-TB14**	**GW-TB15**
Matrix	Ground Water	Ground Water	Ground Water	Ground Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank GW-015, GW-016, GW-018	Trip Blank GW-014, GW-017, GW-019	Trip Blank GW-021, GW-022	Trip Blank GW-022, GW-023, GW-025, GW-026
Sample Date	10/2/2003	10/2/2003	10/3/2003	10/3/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1552	B1587	B1587	B1587
Lab Sample ID	B1552-17	B1587-15	B1587-13	B1587-09
Lab Received	10/2/2003	10/3/2003	10/3/2003	10/4/2003
Lab Reported	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	GW-TB16	SW-TB01	SW-TB02	SW-TB03
Field Sample ID	**GW-TB16**	**SW-TB01**	**SW-TB02**	**SW-TB03**
Matrix	Ground Water	Surface Water	Surface Water	Surface Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank GW-ER03, GW-024, GW-027, GW-028	Trip Blank SW-001, SW-002	Trip Blank SW-003	Trip Blank SW-005
Sample Date	10/4/2003	8/28/2003	8/29/2003	8/29/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1587	B1373	B1373	B1373
Lab Sample ID	B1587-05	B1373-04	B1373-09	B1373-10
Lab Received	10/4/2003	8/28/2003	8/29/2003	8/29/2003
Lab Reported	10/29/2003	10/14/2003	10/14/2003	10/14/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SW-TB04	SW-TB-05	SW-TB06	SW-TB07
Field Sample ID	**SW-TB04**	**SW-TB-05**	**SW-TB06**	**SW-TB07**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SW-006	Trip Blank SW-007, SW-008	Trip Blank SW-009	Trip Blank SW-010, SW-011
Sample Date	8/29/2003	9/2/2003	9/3/2003	9/3/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1373	B1373	B1373	B1373
Lab Sample ID	B1373-11	B1373-14	B1373-18	B1373-19
Lab Received	8/29/2003	9/2/2003	9/3/2003	9/3/2003
Lab Reported	10/14/2003	10/14/2003	10/14/2003	10/14/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SW-TB08	SW-TB09	SW-TB-10	SW-TB-11
Field Sample ID	**SW-TB08**	**SW-TB09**	**SW-TB-10**	**SW-TB-11**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SW-012, thru SW-016	Trip Blank SW-017 thru SW-021	Trip Blank SW-022 thru SW-025	Trip Blank SW-026, SW-FD02
Sample Date	9/3/2003	9/5/2003	9/6/2003	9/8/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1406	B1406	B1406	B1406
Lab Sample ID	B1406-06	B1406-09	B1406-11	B1406-16
Lab Received	9/4/2003	9/5/2003	9/6/2003	9/8/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SW-TB12	SW-TB-13	SW-TB-14	SW-TB-15
Field Sample ID	**SW-TB12**	**SW-TB-13**	**SW-TB-14**	**SW-TB-15**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SW-027	Trip Blank SW-028	Trip Blank SW-028	Trip Blank SW-029
Sample Date	9/8/2003	9/8/2003	9/8/2003	9/9/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1406	B1406	B1406	B1429
Lab Sample ID	B1406-22	B1406-23	B1406-24	B1429-04
Lab Received	9/9/2003	9/9/2003	9/9/2003	9/9/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SW-TB-16	SW-TB-17	SW-TB18	SW-TB19
Field Sample ID	**SW-TB-16**	**SW-TB-17**	**SW-TB18**	**SW-TB19**
Matrix	Surface Water	Surface Water	Surface Water	Surface Water
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SW-FD03	Trip Blank SW-030	Trip Blank SW-031	Trip Blank SW-032
Sample Date	9/9/2003	9/9/2003	9/10/2003	9/10/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1429	B1429	B1429	B1429
Lab Sample ID	B1429-05	B1429-06	B1429-11	B1429-12
Lab Received	9/9/2003	9/9/2003	9/10/2003	9/10/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	10/20/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SW-TB20	SW-TB21	SW-TB22	SE-TB01
Field Sample ID	**SW-TB20**	**SW-TB21**	**SW-TB22**	**SE-TB01**
Matrix	Surface Water	Surface Water	Surface Water	Sediment
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SW-ER03	Trip Blank SW-033	Trip Blank SW-034	Trip Blank SE-001, SE-002
Sample Date	9/10/2003	9/10/2003	9/10/2003	8/28/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1429	B1429	B1429	B1378
Lab Sample ID	B1429-13	B1429-14	B1429-16	B1378-03
Lab Received	9/10/2003	9/10/2003	9/10/2003	8/28/2003
Lab Reported	10/20/2003	10/20/2003	10/20/2003	11/18/2003
Analyses	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Low Level Volatiles (OLC3.2)	Volatiles (OLM4.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SE-TB02	SE-TB03	SE-TB04	SE-TB05
Field Sample ID	**SE-TB02**	**SE-TB03**	**SE-TB04**	**SE-TB05**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SE-003 thru SE-006, SE-ER01, SE-FD01	Trip Blank SE-007, SE-008	Trip Blank SE-009 thru SE-016	Trip Blank SE-017 thru SE-021
Sample Date	8/28/2003	9/2/2003	9/3/2003	9/5/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1378	B1378	B1405	B1405
Lab Sample ID	B1378-10	B1378-13	B1405-04	B1405-14
Lab Received	8/28/2003	9/2/2003	9/4/2003	9/5/2003
Lab Reported	11/18/2003	11/18/2003	11/20/2003	11/20/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SE-TB-06	SE-TB-07	SE-TB08	SE-TB09
Field Sample ID	**SE-TB-06**	**SE-TB-07**	**SE-TB08**	**SE-TB09**
Matrix	Sediment	Sediment	Sediment	Sediment
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SE-022 thru SE-025	Trip Blank SE-026, FD-02	Trip Blank SE-027	Trip Blank SE-028
Sample Date	9/6/2003	9/8/2003	9/8/2003	9/8/2003
Comments	In Shield log, not received at Laboratory	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1405	B1405	B1405	B1405
Lab Sample ID		B1405-20	B1405-26	B1405-27
Lab Received		9/8/2003	9/9/2003	9/9/2003
Lab Reported		11/20/2003	11/20/2003	11/20/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SE-TB10	SE-TB11	SE-TB12	SO-TB01
Field Sample ID	**SE-TB10**	**SE-TB11**	**SE-TB12**	**SO-TB01**
Matrix	Sediment	Sediment	Sediment	Soil
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SE-029, SE-FD03, SE-030	Trip Blank SE-031 thru SE-033, SE-ER03	Trip Blank SE-034	Trip Blank SO-001 thur SO-005
Sample Date	9/9/2003	9/10/2003	9/10/2003	8/18/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1428	B1428	B1428	B1309
Lab Sample ID	B1428-04	B1428-09	B1428-11	B1309-08
Lab Received	9/9/2003	9/10/2003	9/10/2003	8/18/2003
Lab Reported	11/18/2003	11/18/2003	11/18/2003	9/23/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SO-TB04	SO-TB05	SO-TB-06	SO-TB07
Field Sample ID	**SO-TB04**	**SO-TB05**	**SO-TB-06**	**SO-TB07**
Matrix	Waste Soil	Soil	Soil	Soil
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SO-W03, SO-W04, SO-FD02	Trip Blank SO-010 thru SO-016	Trip Blank SO-017 thru SO-022, SO-FD03, SO-ER02	Trip Blank SO-023 thru SO-030
Sample Date	8/20/2003	8/20/2003	8/21/2003	8/22/2003
Comments	---	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1316	B1309	B1330	B1330
Lab Sample ID	B1316-08	B1309-21	B1330-10	B1330-19
Lab Received	8/20/2003	8/20/2003	8/21/2003	8/22/2003
Lab Reported	9/30/2003	9/23/2003	9/30/2003	9/30/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---	---
Group	---	---	---	---
Station Name	SO-TB08	SO-TB09	SO-TB10	SO-TB10
Field Sample ID	**SO-TB08**	**SO-TB09**	**SO-TB10**	**SO-TB10**
Matrix	Soil	Waste Soil	Soil	Soil
Field QC Code	TB	TB	TB	TB
RISP East (ft)	---	---	---	---
RISP North (ft)	---	---	---	---
Sample Location Description	Trip Blank SO-ER03, SO-031, SO-W05 thru SO-W08	Trip Blank SO-W09 thru SO-W12, SO-ER04, SO-FD04	Trip Blank SO-032	Trip Blank SO-ER05, SO-033 thru SO-37, SSO-01
Sample Date	8/26/2003	8/27/2003	8/28/2003	9/6/2003
Comments	---	---	---	Number SO-TB10 inadvertently repeated on next TB at later sampling date
Laboratory	Mitkem	Mitkem	Mitkem	Mitkem
SDG #	B1316	B1365	B1330	B1419
Lab Sample ID	B1316-15	B1365-06	B1330-21	B1419-14
Lab Received	8/26/2003	8/27/2003	8/28/2003	9/6/2003
Lab Reported	9/30/2003	9/29/2003	9/30/2003	9/30/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
	---	---	---	---
	---	---	---	---

Table H-3
Trip Blanks

Location	---	---	---
Group	---	---	---
Station Name	SO-TB11	SO-TB-2	SO-TB-3
Field Sample ID	**SO-TB11**	**SO-TB-2**	**SO-TB-3**
Matrix	Waste Soil	Soil	Waste Soil
Field QC Code	TB	TB	TB
RISP East (ft)	---	---	---
RISP North (ft)	---	---	---
Sample Location Description	Trip Blank SO-W13 thru SO-W16	Trip Blank for SO-006 thru S0-009	Trip Blank SO-W01, SO-W02
Sample Date	9/6/2003	8/19/2003	8/19/2003
Comments	---	---	---
Laboratory	Mitkem	Mitkem	Mitkem
SDG #	B1419	B1309	B1316
Lab Sample ID	B1419-05	B1309-13	B1316-03
Lab Received	9/6/2003	8/19/2003	8/19/2003
Lab Reported	9/30/2003	9/23/2003	9/30/2003
Analyses	Volatiles (OLM4.2)	Volatiles (OLM4.2)	Volatiles (OLM4.2)
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Appendix I

Appendix I Data Validation Reports

Appendix I1 Ground Water Leachate

SHIELD ENVIRONMENTAL ASSOCIATES, INC.

Memorandum

To: Alison Dunn, Debbie Howard

From: Barbara Jones

Date: 11/18/03

Subject: Peterson/Puritan Data Validation Review, 300-1821, Task 0400
SDG B1315 – Groundwater (Leachate)

Enclosed are five tables and marked Form Is that summarize the Tier II data validation process for B1315, Groundwater (Leachate). The data package reviewed was complete, and reflected standard and acceptable analytical practices. Mitkem performed re-analyses or dilutions as specified in the QA/QC protocols when results exceeded certain QC criteria.

Each table (VOA, SVOA (Standard), SVOA (SIM), Pest/PCB, Inorganics) has a column titled *Data Qualified (Yes/No)*. This reflects whether or not our review process has resulted in an additional flag or qualifier on the data, beyond flags or qualifiers that may already have been applied by the laboratory. In some cases qualifiers overlap. For example, a sample could be qualified based on internal standard results and surrogate recovery. If it is the same qualifier, such as J, it is only applied one time. If different qualifiers apply, such as J or R, the more restrictive qualifier is applied.

Numerous samples have been qualified based on this review. The typical qualification applied to detected constituents is J for estimated; the J qualifier has also been applied to nondetects in some cases, resulting in a designation of UJ.

Rejected Data
A limited number of results have been qualified as R for rejected, meaning that these results should not be relied upon for site assessment. Rejected results do not necessarily reflect inappropriate procedures by laboratory or field personnel. In some cases, such as surrogate recoveries, site-specific matrix interferences contributed to QC problems resulting in data rejection. In no case was a complete set of results rejected (rejection is for affected constituents only). Rejected results are:

- VOAs: Nondetects for 2-butanone in several samples due to low response factors in initial calibration
- SVOA (standard): Specific fractions (groups of chemicals) represented by surrogates with recoveries of less than 10% in GW-LE02-UI; GW-LE02-UIRE; GW-FD01-RE
- Inorganic: Mercury results for field duplicates GW-FD01 (7.3 ug/L) and GW-LE01-UI (53.7 ug/L) due to high RPD; selenium result for GW-LE01-UI due to low MS recovery on post-digest

Rinsate Detects
As we have discussed, data flags (F) also need to be applied to reflect low-level detections of constituents in equipment rinsates. These flags should be applied as instructed on the marked Form Is by the Kentucky group managing the electronic data base. These should be applied to PCB/Pest, inorganic, and SVOA (SIM) results.

Thank you for the opportunity to perform this data review.

Tier II
VOA Organic Data Review Summary

SDG No./Matrix: B1315 - Groundwater (Leachate)	**Completion Date:** 11/17/03
Project No.: 300-1821	**Reviewer:** Barbara Jones
Laboratory: Mitkem	

	Review Criteria	Data Qualified Yes / No	Samples Qualified
1.	Data completeness	No	-
2.	Preservation/holding time	No	One sample (6W-LE01UI) was received at pH 4, but was not qualified because it was analyzed within 7 days.
3.	GC/MS tuning	No	-
4.	Calibration:		
	4A - Initial	Yes	All samples for acetone, 2-butanone, 1,2-dibromo-3-chloropropane were qualified as J or UJ, except for 2-butanone non-detects. Due to low RRF, 2-butanone (non-detect) results rejected (R) for: GW-ER1; GW-LEO1-UIMS; GW-LE01-UIMSD; GW-LE02-UI; GW-LE3-LF; GW-LE3-LFDL; GW-LE4-LF; GW-LE5-LF; GW-LE6-LF; GW-TB-04; GW-TB-01; GW-TB-02; GW-TB-05; GW-TB-06.
	4B - Continuing	Yes	Selected samples (analyzed 08/26/03) J-, UJ-qualified for: dichlorodifluoromethane, trichlorofluoromethane, and 1,1,2-trichloro-1,2,2-trifluoroethane.
5.	Blanks:		
	5A - Laboratory blanks	Yes	Affected samples with positive results for methylene chloride less than 10X the blank concentration were qualified as U at reported concentration. Method blanks contained low concentrations of TICs, reported by laboratory to be artifacts from surrogate compounds.
	5B - Trip blanks	No	Methylene chloride detected in TB-02 but changed to U during data validation, based on method blank detect.
	5C - Equipment rinsates	No	-
6.	Surrogate recovery	Yes	Associated fractions qualified for: GW-LE01-UI MSD; GW-LE3-LFDL; GW-LE5-LF; GW-FD01; GW-TB06. No data rejected.
7.	Lab-fortified blank	No	-
8.	Matrix spike/matrix spike duplicates	Yes	GW-LE01-UI: J-qualify benzene and chlorobenzene due to spike recovery out of limits.
9.	Field duplicates	No	-
10.	Internal standards performance	No	-
11.	Compound quantitation and reporting	No	-
12.	Tentatively identified compounds	No	-

Tier II
SVOA Organic Data Review Summary (Standard)

SDG No./Matrix: B1315 - Groundwater (Leachate)	**Completion Date:** 11/17/03
Project No.: 300-1821	**Reviewer:** Barbara Jones
Laboratory: Mitkem	

	Review Criteria	Data Qualified Yes / No	Samples Qualified
1.	Data completeness	No	-
2.	Preservation/holding time	Yes	GW-LE02-RE; GW-FD01RE: Re-extracted beyond holding time to confirm matrix interference. Positive results qualified as J, non-detects as UJ.
3.	GC/MS tuning	No	-
4.	Calibration:		
	4A - Initial	Yes	All samples qualified as J or UJ due to RSD exceeding QC for 3-nitroaniline, 4-nitroaniline, atrazine, 3-3'-dichlorobenzidine.
	4B - Continuing	Yes	Affected samples J- or UJ-qualified, depending on cal run, for chrysene, pyrene, n-nitroso-di-n-propylamine.
5.	Blanks:		
	5A - Laboratory blanks	No	TICs detected in low concentrations in method blank.
	5B - Equipment rinsates	No	-
6.	Surrogate recovery	Yes	Generally low recovery, reflecting matrix interference. For samples with recoveries <10%, respective fraction rejected (R). These samples are: GW-LE02-UI; GW-LE02-UIRE; GW-FD01-RE.
7.	Lab-fortified blank	No	Recoveries were out of limits for naphthalene, 2-methyl-naphthalene (1 of 3), and pentachlorophenol (2 of 3). Sample data not qualified based on laboratory-specific conditions described in case narrative.
8.	Matrix spike/matrix spike duplicates	No	Acenaphthene recoveries out of QC limits, but compound already J-qualified in unspiked sample.
9.	Field duplicates	No	-
10.	Internal standards performance	No	One retention time out of limits for GW-LE01-UIRE. Sample results previously qualified; no additional qualifiers.
11.	Compound quantitation and reporting	No	-
12.	Tentatively identified compounds	No	-

Tier II
SVOA Organic Data Review Summary - SIM

SDG No./Matrix: B1315 - Groundwater (Leachate)	**Completion Date:** 11/17/03
Project No.: 300-1821	**Reviewer:** Barbara Jones
Laboratory: Mitkem	

	Review Criteria	Data Qualified Yes / No	Samples Qualified
1.	Data completeness	No	-
2.	Preservation/holding time	Yes	GW-LE02-RE; GW-FD01RE: Re-extracted beyond holding time to confirm matrix interference. Positive results J-qualified, non-detects UJ.
3.	GC/MS tuning	No	-
4.	Calibration:		
	4A - Initial	Yes	2-Methyl naphthalene slightly exceeded RSD. Positive results J, non-detects UJ for this compound in all samples.
	4B - Continuing	No	-
5.	Blanks:		
	5A - Laboratory blanks	No	-
	5B - Equipment rinsates	Yes	2-Methyl naphthalene detected in GW-ER1 (0.17 J ug/L). Flag associated sample detects F. **TO BE FLAGGED BY SHIELD KY - SEE ATTACHED FORM I (P. 0148).**
6.	Surrogate recovery	Yes	Low recoveries. Results J- or UJ-qualified for: GW-FD01; GW-FD01RE; GW-LE01-UI; GW-LE01-UIMS; GW-LE01-UIMSD; GW-LE02-UI; GW-LE02-UIRE
7.	Lab-fortified blank	Yes	Positive results for fluorene J-qualified. All LFBs had recoveries greater than UCL for this compound.
8.	Matrix spike/matrix spike duplicates	No	Low recoveries in most cases, reflecting matrix interferences. No additional qualifiers added because unspiked sample already qualified due to surrogate recovery.
9.	Field duplicates	No	RPDs exceed control limits for 2-methyl naphthalene, acenaphthalene, and fluorene in FD-01 and LE01-UI. However, results are J-qualified on the basis of other criteria, and no additional qualifiers are added.
10.	Internal standards performance	No	Internal standards outside of limit for one compound (low) for five samples, including MS/MSD. No additional qualifiers added because of previously qualified samples.
11.	Compound quantitation and reporting	No	-
12.	Tentatively identified compounds	NA	Not applicable

Tier II
Pest/PCB Organic Data Review Summary

SDG No./Matrix: B1315 - Groundwater (Leachate)	**Completion Date:** 11/17/03
Project No.: 300-1821	**Reviewer:** Barbara Jones
Laboratory: Mitkem	

	Review Criteria	Data Qualified Yes / No	Samples Qualified
1.	Data completeness	No	-
2.	Preservation/holding time	No	-
3.	Instrument Performance	No	-
4.	Calibration:		
	4A - Initial	No	-
	4B - Continuing	Yes	%D not within ±25% for 4, 4'DDD; 4,4'DDT; methoxychlor for several samples that were qualified as J or UJ: GW-ER1; GW-LE01-UIMS; GW-LE01-UIMSD; GW-LE4-LF; GW-LE4-LFRE; GW-LE5-LF; GW-LE6-LF.
5.	Blanks:		
	5A - Laboratory blanks	Yes	08/22 method blank detect for beta-BHC; GW-ER1; GW-LE4-LF; GW-LE4-LIRE reported as U, with sample result for reporting limit.
	5B - Equipment rinsates	Yes	Flag all sample detects associated with GW-ER1 as F for gamma-BHC (Lindane). **TO BE FLAGGED BY SHIELD KY - SEE ATTACHED FORM I (P. 0163).**
6.	Surrogate recovery	Yes	High recoveries may indicate sample-specific co-eluting interferences. J-qualified detects in: GW-LE-01-MS; GW-LE01-MSD; GW-LE4-LF; GW-LE4-LFRE.
7.	Matrix spike/matrix spike duplicates	Yes	Non-detects in unspiked sample (GW-LE01-UI) qualified as UJ due to low recoveries.
8.	Field duplicates	Yes	GW-FD-01 results for Endrin and gamma-chlordane J-qualified on the basis of field duplicate results: J-qualifiers have already been applied to corresponding GW-LE01-UI based on other QC criteria.
9.	Florisil cartridge performance check	No	-
10.	Compound quantitation and reporting	No	-

Tier II
Inorganic Data Review Summary

SDG No./Matrix: B1315 - Groundwater (Leachate)	**Completion Date:** 11/17/03
Project No.: 300-1821	**Reviewer:** Barbara Jones
Laboratory: Mitkem	

	Review Criteria	Data Qualified Yes / No	Samples Qualified
1.	Data completeness	No	-
2.	Preservation/holding time	No	-
3.	Calibration	No	-
4.	Blanks:		
	4A - Laboratory	Yes	ICB: K, Na, Ag - all samples. For detects less than the reporting limit, qualify as U at the reporting limit. CCB: Sb, Ba, Mg for GW-FD01, GW-ER1, GW-LE-01, GW-LE02. Al, Ba, Mg for GW-LE-3, GW-LE-4, GW-LE-5, GW-LE-6. For detects less than the reporting limit, qualify as U at the reporting limit. Qualified results depend upon affected samples.
	4B - Equipment rinsates	Yes	Flag all detects for Al, Ca, Cr, Cu, Pb, Mn, and Zn in affected samples as F. **TO BE FLAGGED BY SHIELD KY - SEE ATTACHED FORM I (P. 0183).**
5.	Interference check sample	No	-
6.	Lab-fortified blank	No	-
7.	Laboratory duplicate sample	No	-
8.	Field duplicate sample	Yes	For GW-FD01, GW-LE01-UI, mercury results rejected (R) due to high RPD (152%). The respective results were 7.3 and 53.7 ug/L. The mercury concentrations for other samples in this SDG were <10 ug/L. Difference confirmed through review of raw data.
9.	Matrix spike sample analysis	Yes	GW-LE01-UI: Selenium result rejected as R due to low recovery on post-digest.
10.	ICP serial dilution	Yes	Sodium in GW-LE01-UI J-qualified due to serial dilution outside of control limits.
11.	Sample quantitation and reporting	No	-

Appendix I2 Ground Water

SHIELD ENVIRONMENTAL ASSOCIATES, INC.

Memorandum

To: Alison Dunn, Debbie Howard

Through: Barbara Jones

From: Karen Thompson KET

Date: 12/12/03

Subject: Peterson/Puritan Data Validation Review, 3001821, Task 0400
SDG B1552 (Ground Water)

Enclosed are seven tables and marked Form Is that summarize the Tier II data validation process for B1552, ground water. The data package reviewed was complete, and reflected standard and acceptable analytical practices. Mitkem performed re-analyses or dilutions as specified in the QA/QC protocols when results exceeded certain QC criteria.

Each table (VOA, SVOA, SIMS-PAH, Pest/PCB, Inorganic, Wet Chemistry, Low Level Arsenic) has a column titled *Data Qualified (Yes/No)*. This reflects whether or not our review process has resulted in an additional flag or qualifier on the data, beyond flags or qualifiers that may already have been applied by the laboratory. In some cases qualifiers overlap, for example, a sample could be qualified based on internal standard results and surrogate recovery. If it is the same qualifier, such as J, it is only applied one time. If different qualifiers apply, such as J or R, the more restrictive qualifier is applied.

SDG# B1552 contains the following field samples (not including re-analyses or dilutions of individual samples): **GW-001-LF, GW-002-LF, GW-003-LF, GW-004-WT, GW-005-WT, GW-006-LF, GW-007-LF, GW-008-LF, GW-009-DF, GW-010-LF, GW-011-LF, GW-012-QW, GW-013-QW, GW-015-WT, GW-016-WT, and GW-018-LF**. Also, note that the MS/MSD was taken with GW-002-LF, the field duplicate is associated with GW-005-WT, and an equipment rinsate blank was collected with the SDG. Flags (F) for compounds and analytes detected in the equipment rinsate blank have been applied to the entire SDG.

The following table shows which trip blanks are associated with the samples in this SDG. Compounds detected in the trip blank have been flagged (T) in the corresponding sample.

Trip Blank	*Samples*	*Compounds detected*
GW-TB07	GW-001-LF	Methylene Chloride
GW-TB08	GW-002-LF	None
GW-TB09	GW-003-LF, GW-004-WT, GW-005-WT	None
GW-TB-010	GW-ER02, GW-006-LF, GW007-LF	Methylene Chloride
GW-TB10	GW-009-DF, GW-010-LF, GW-011-LF	None
GW-TB11	GW-008-LF, GW-012-QW, GW-013-QW	Methylene Chloride
GW-TB12	GW-015-WT, GW-016-WT, GW-018-LF	None

Numerous samples have been qualified based on this review. The typical qualification applied to detected constituents is J for estimated; the J qualifier has also been applied to nondetects in some cases, resulting in a designation of UJ. Also, numerous samples have been re-analyzed.

Thank you for the opportunity to perform this data review.

Tier II
VOA Organic Data Review Summary

SDG No./Matrix: B1552 Groundwater **Completion Date:** 12-7-03

Project No.: 300-1821/ 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	Acetone is flagged (J) for detected values and non-detected values are rejected (R). Methylene Chloride and 1,2-Dibromo-3-Chloropropane are flagged (J) for detected values and flagged (UJ) for non-detected values.
4B - Continuing	Y	Acetone, Methyl Acetate, 2-Butanone, and 1,2-Dibromo-3-Chloropropane are flagged (J) for detected values and non-detected values are rejected (R) for the following samples: GW-002-LF, GW-001-LF, GW-003-LF, GW-004-WT, GW-005-WT, GW-FD02, GW-ER02, GW-006-LF, and GW-007-LF. Chloroethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Bromomethane, Cyclohexane, Carbon Tetrachloride, and Methylcyclohexane are flagged (J) for detects and (UJ) for non-detects in the following samples: GW-002-LF, GW-001-LF, GW-003-LF, GW-004-WT, GW-005-WT, GW-FD02, GW-ER02, GW-006-LF, and GW-007-LF. Acetone is flagged (J) for detected values and non-detected values are rejected (R) for the following samples: GW-018-LF, GW-015-WT, GW-16-WT, GW-009-DF, GW-010-LF, GW-011-LF, GW-012-QW, GW-013-QW, and GW-008-LF. Trichlorofluoromethane, 1,1-Dichloroethene, Methylcyclohexane, Styrene, and Isopropylbenzene are flagged (J) for detected values and (UJ) for non-detected values in the following samples: GW-018-LF, GW-015-WT,

		GW-16-WT, GW-009-DF, GW-010-LF, GW-011-LF, GW-012-QW, GW-013-QW, and GW-008-LF.
5. Blanks:		
5A - Laboratory blanks	Y	Methylene Chloride was present at 0.58 ug/L in the method blank for the following samples: GW-018-LF, GW-015-WT, GW-16-WT, GW-009-DF, GW-010-LF, GW-011-LF, GW-012-QW, GW-013-QW, and GW-008-LF.
5B - Trip blanks	Y	See Memo.
5C - Equipment Rinsate	Y	Methylene Chloride is flagged (F) in all samples.
6. Surrogate recovery	Y	The following samples are flagged (J) for detected values and (UJ) for non-detected values for cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, and 1,1,2-Trichloroethane: GW-002-LF, GW-018-LF. The following samples are flagged (J) for detected values for Dibromochloromethane, 1,2-Dibromoethane, and Bromoform: GW-004-WT, GW-010-LF, GW-012-QW, The following samples are flagged (J) for detected values and (UJ) for non-detected values for 2-Hexanone, and 4-Methyl-2-pentanone: GW-016-WT, GW-009-DF, GW-011-LF, GW-013-QW, and GW-008-LF.
7. Lab-fortified blank	N	
8. Matrix spike/matrix spike duplicates	Y	Benzene and Chlorobenzene are flagged (J) for detected values and accepted for non-detected values in GW-002-LF.
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
SVOA Organic Data Review Summary

SDG No./Matrix: B1552 Groundwater **Completion Date:** 12-7-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	4-Nitroaniline, Atrazine, and 3, 3'-Dichlorobenzidine were outside the QC limits for the initial calibrations. Detected values are flagged (J) and non-detected values are flagged (UJ) in all samples.
4B - Continuing	Y	Compounds 2,2'-oxybis(1-chloropropane), N-Nitroso-di-n-propylamine, 4-chloroaniline, Caprolactum, 3-Nitroaniline, 4-Nitrophenol, 4-Nitroaniline, Atrazine, 3,3'-Dichlorobenzidine, and Chrysene are flagged (J) for detected values and flagged (UJ) for non-detected values in the following samples: GW-002-LF, GW-001-LF, GW-004-WT, GW-005-WT, GW-ER02, GW-006-LF, and GW-007-LF. Compounds 2,2-oxybis(1-chloropropane), Hexachlorocyclopentadiene, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, N-Nitrosodiphenylamine, Atrazine, Pyrene, and Chrysene are flagged (J) for detected values and flagged (UJ) for non-detected values in the following samples: GW-003-LF, GW-FD02, GW-018-LF, GW-015-WT, GW016-WT, GW-009-DF, GW-010-LF, GW-011-LF, GW-012-QW, GW-013-QW, GW-008-LF, GW-015-WTDL, and GW-009-DFDL. Compounds 2,2-oxybis(1-chloropropane), Hexachlorocyclopentadiene, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, N-Nitrosodiphenylamine,

		Pyrene, 3,3'-dichlorobenzidine, and Chrysene are flagged (J) for detected values and flagged (UJ) for non-detected values in the following samples: GW-010-LFDL and GW-011-LFDL.
5. Blanks:		
5A - Laboratory blanks	Y	Bis-(2-ethylhexyl)phthalate was detected in one of the method blanks.
5B - Equipment Rinsate	Y	Acetophenone was detected in the equipment rinsate blank and if flagged (F) in the SDG.
6. Surrogate recovery	Y	The following compounds are flagged (J) for detected values in GW-001-LF: 2-Methylphenol, 4-Methylphenol, 2,4-Methylphenol, 4-Chloroaniline, Hexachlorocyclopentadiene, and 3,3'-Dichlorobenzidine. 4,6-Dinitro-2-methylphenol is flagged (J) for detected values and (UJ) for non-detected values in GW-004-WT, GW-005-WT, GW-ER02, GW-007-LF and GW-010-LFDL. The following samples are flagged (J) for detected values for 4-Chloroanaline, Hexachlorocyclodentadiene, and 3,3'-Dichlorobenzidine: GW-005-WT, GW-ER02, GW-007-LF, GW-015-WT, GW-016-WT, GW-010-LF, GW-011-LF, GW-012-QW, GW-013-QW, GW-008-LF, GW-FD02, GW-015-WTDL, and GW-011-LFDL. The following compounds are flagged (J) for detected values and (UJ) for non-detected values in GW-018-LF and GW-009-DFDL: Benzo(B)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, and Benzo(g,h,i)perylene. The following compounds are flagged (J) for detected values in GW-018-LF: 2-Methylphenol, 4-Methylphenol, and 2,4-Methylphenol. The following compounds are flagged (J) for detected values in GW-003-LF: Bis(2-chloroethyl)ether, 2,2'-oxybis(1-chloropropane), bis(2chloroethoxy)methane,

		4-Chloroanaline, Hexachlorocyclodentadiene, and 3,3'-Dichlorobenzidine Two samples had surrogate recoveries at 0%. Samples GW-009-DF and GW-009-DFDL are flagged (J) for detected values and all non-detected values are rejected (R) for the following compounds: 4-Chloroaniline, Hexachlorocyclopentadien, and 3,3'-Dichlorobenzidine.
7. Lab-fortified blank	Y	Pentachlorophenol is flagged (J) for detected values and flagged (UJ) for non-detected values in the following samples: GW-002-LF, GW-001-LF, GW-004-WT, GW-005-WT, GW-ER02, GW-006-LF, GW-007-LF, GW-003-LF, and GW-FD02.
8. Matrix spike/matrix spike duplicates	Y	The following compounds in GW-002-LF are flagged (J) for detected values and non-detected values are accepted: 4-Chloro-3-methylphenol, 4-Nitrophenol, and Pentachlorophenol.
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
SIMS-PAH Organic Data Review Summary

SDG No./Matrix: B1552 Groundwater **Completion Date:** 12-7-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	N	
7. Lab-fortified blank	N	
8. Matrix spike/matrix spike duplicates	N	
9. Field duplicates	Y	Sample GW-005-WT has two flagged compounds Phenanthrene and Anthracene. Both are flagged (J) for detected values.
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
Pest/PCB Organic Data Review Summary

SDG No./Matrix: B1552 Ground water **Completion Date:** 12-7-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Instrument performance	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	Y	Alpha-BHC, Beta-BHC, Gamma-BHC, Delta-BHC, Heptachlor, and Aldrin are flagged (J) for detected values in the following samples: GW-007-LF, GW-012-QW, GW-013-QW, and GW-008-LF. GW-002-LF is flagged (J) for detects and flagged (UJ) for non-detects for compounds associated with decachlorobiphenyl surrogate (those not listed in the last paragraph).
7. Matrix spike/matrix spike duplicates	Y	Compounds Gamma-BHC, Aldrin, Dieldrin, and Endrin were outside the recovery limits (Form 3) and are flagged (J) for detected values and (UJ) for non-detected values in GW-002-LF.
8. Field duplicates	N	
9. Compound quantitation and reporting	N	
10. Florisil cartridge performance check	N	

Tier II
Inorganic Data Review Summary

SDG No./Matrix: B1552 Groundwater **Completion Date:** 12-3-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	Y	Chromium values > MDL is rejected (R). Nickel is flagged (J+) for values >MDL and <2X CRDL. Silver is flagged (J-) for values > MDL and < 2X CRDL, and flagged (UJ) for non-detected values.
4. Blanks:		
4A - Laboratory	Y	Cyanide is flagged (J-) for detected values, and flagged (UJ) for non-detected values.
4B - Equipment Rinsate	Y	Analytes barium, calcium, iron, magnesium, and sodium are flagged (F).
5. Interference check sample	N	
6. Lab-fortified blank	Y	Cyanide is flagged (J) for detected values, and accepted for non-detected values.
7. Laboratory duplicate sample	Y	Analytes Zinc, vanadium, thallium, copper, and aluminum are flagged (J) for detected values, and accepted for non-detected values.
8. Field duplicate sample	N	
9. Matrix spike sample analysis	Y	Selenium is flagged (J) for detected values in GW-002-LF.
10. ICP serial dilution	Y	Analytes Aluminum, cadmium, chromium, cobalt, nickel, thallium, vanadium, and zinc are flagged (J) for detected values, and flagged (UJ) for non-detected values.
11. Sample quantitation and reporting	N	

Tier II
Low Level Arsenic Data Review Summary

SDG No./Matrix: B1552 Groundwater	**Completion Date**: 12-3-03
Project No.: 300-1821 / 0400	**Reviewer**: Karen Thompson
Laboratory: Mitkem Corporation	

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	Y	In the equipment rinsate blank, Arsenic is detected, but it is below the detection limit. Samples are flagged (F).
5. Interference check sample		
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution		
11. Sample quantitation and reporting	N	

Tier II
Wet Chemistry Data Review Summary

SDG No./Matrix: B1552 Groundwater **Completion Date**: 12-3-03

Project No.: 300-1821 / 0400 **Reviewer**: Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration		
4. Blanks:		
4A - Laboratory	Y	Chloride present in method blank. Chloride is flagged (J) for detected values, and flagged (UJ) for non-detected values.
4B - Equipment Rinsate	N	
5. Interference check sample		
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution		
11. Sample quantitation and reporting	N	

Memorandum

To: Alison Dunn, Debbie Howard

Through: Barbara Jones

From: Karen Thompson

Date: 12/12/03

Subject: Peterson/Puritan Data Validation Review, 3001821, Task 0400
SDG B1587 (Ground water)

Enclosed are seven tables and marked Form Is that summarize the Tier II data validation process for B1587, ground water. The data package reviewed was complete, and reflected standard and acceptable analytical practices. Mitkem performed re-analyses or dilutions as specified in the QA/QC protocols when results exceeded certain QC criteria.

Each table (VOA, SVOA, SIMS-PAH, Pest/PCB, Inorganic, Wet Chemistry, Low Level Arsenic) has a column titled *Data Qualified (Yes/No)*. This reflects whether or not our review process has resulted in an additional flag or qualifier on the data, beyond flags or qualifiers that may already have been applied by the laboratory. In some cases qualifiers overlap, for example, a sample could be qualified based on internal standard results and surrogate recovery. If it is the same qualifier, such as J, it is only applied one time. If different qualifiers apply, such as J or R, the more restrictive qualifier is applied.

SDG# B1587contains the following field samples (not including re-analyses or dilutions of individual samples): **GW-014-LF, GW-017-LF, GW-019-NP, GW-020-NP, GW-021-LF, GW-022-LF, GW-023-LF, GW-024-NP, GW-025-UI, GW-026-UI, GW-027-LF, and GW-028-LF**. Also, note that the MS/MSD was taken with GW-023-LF, the field duplicate is associated with GW-026-WT, and an equipment rinsate blank was collected with the SDG. Flags (F) for compounds and analytes detected in the equipment rinsate blank have been applied to the entire SDG.

The following table shows which trip blanks are associated with the samples in this SDG. Compounds detected in the trip blank have been flagged (T) in the corresponding sample.

Trip Blank	*Samples*	*Compounds detected*
GW-TB13	GW-014-LF, GW-017-LF, GW-019-NP	Methylene Chloride
GW-TB14	GW-021-LF, GW-022-LF	Methylene Chloride
GW-TB15	GW-020-LF, GW-023-LF, GW-025-WT, GW-026-WT	Methylene Chloride
GW-TB16	GW-024-NP, GW-027-LF, GW-028-LF	None

Numerous samples have been qualified based on this review. The typical qualification applied to detected constituents is J for estimated; the J qualifier has also been applied to nondetects in some cases, resulting in a designation of UJ. Also, numerous samples have been re-analyzed or diluted.

Thank you for the opportunity to perform this data review.

Tier II
VOA Organic Data Review Summary

SDG No./Matrix: B1587 Groundwater	**Completion Date:** 12-7-03	
Project No.: 300-1821/ 0400	**Reviewer:** Karen Thompson	
Laboratory: Mitkem Corporation		
Review Criteria	**Data Qualified Yes / No**	**Samples Qualified**
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	Acetone, Methyl Acetate, and Methylene Chloride are flagged (J) for detects and flagged (UJ) for non-detects in SDG.
4B - Continuing	Y	Cyclohexane is flagged (J) for detected values and flagged (UJ) for non-detected values in the following samples: GW-021-LF, GW-020-NP, GW-019-NP, GW-014-LF, GW-027-LF, and GW-024-NP. Bromomethane and Bromoform are flagged (J) for detected values and flagged (UJ) for non-detected values in the following samples: GW-017-LF, GW-028-LF, GW-025-UI, GW-026-UI, GW-021-LFDL, GW-023-LF, and GW-022-LF. Cyclohexane, Methylcyclohexane, Tetrachloroethene, Styrene, and Isoprpoylbenzene are flagged (J) for detected values and (UJ) for non-detected values in the following samples: GW-026-UIDL and GW-FD03DL.
5. Blanks:		
5A - Laboratory blanks	Y	Methylene Chloride is present in the method blank for the following samples: GW-026-UIDL and GW-FD03DL. No additional flags.
5B - Trip blanks	Y	See Memo.
5C - Equipment Rinsate	Y	Methylene Chloride and Acetone are flagged (F) in the SDG.
6. Surrogate recovery	Y	The following samples have at least one surrogate recovery outside the lower QC limit and are flagged (J) for detected values and flagged (UJ) for non-detected values: GW-021-LF, GW-020-

		NP, GW-019-NP, GW-014-LF, GW-ER03, GW-027-LF, GW-024-NP, GW025-UI, GW-026-UI, GW-FD03, GW-022-LF, and GW-FD03DL. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in GW-021-LF, GW-020-NP, GW-022-LF, and GW024-NP: Cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Dibromochloromethane, 1,2-Dibromoethane, Bromoform. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in GW-019-NP, GW-014-LF, GW-ER03, GW-FD03: Dibromochloromethane, 1,2-dibromoethane, and Bromoform. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in GW-025-UI: 4-Methyl-2-pentanone and 2-Hexanone. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in GW-026-UI: 4-Methyl-2-pentanone, 2-Hexanone, Cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Dibromochloromethane, 1,2-Dibromoethane, Bromoform. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in GW-022-LF: cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-trichloroethane.
7. Lab-fortified blank	N	
8. Matrix spike/matrix spike duplicates	Y	1,1-Dichloroethene and Chlorobenzene are flagged (J) for detected values and (UJ) for non-detected values in sample GW-023-LF.
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
SVOA Organic Data Review Summary

SDG No./Matrix: B1587 **Completion Date:** 12/5/03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	The following compounds are qualified with (J) flag for detected values and (UJ) flag for non-detected values: 4-Nitroaniline, Atrazine, 3,3'-Dichlorobenzidine.
4B - Continuing	Y	Compounds 3-Nitroaniline, Pyrene, Chrysene are qualified with (J) flag for detected values and (UJ) flag for non-detected values all samples in SDG.
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	Y	The following samples had two or more surrogates outside the upper QC limit and are qualified with a (J) flag for detected values, and a (UJ) flag for non-detected values: GW-ER-03, GW-028-LF, GW-024-NP, GW-025-UI, GW-026-UI, GW-FD03, GW-022-LF, GW-020-NP, and GW-014-LF. Compounds 2-Methylphenol, 4-Methylphenol, and 2,4-Dimethylphenol are flagged (J) for detected values in the following samples: GW-ER03, GW-027-LF, GW-028-LF, GW-024-NP, GW-025-UI, GW-026-UI, GW-FD03, GW-022-LF, GW-020-NP, GW-014-NP, GW-017-LF. Compounds 4-Chloroaniline, Hexacyclopentadiene, and 3,3'-Dichlorobenzidine are flagged (J) for detected values in the following samples: GW-ER03, GW-028-LF, GW-024-NP, GW-025-UI, GW-026-UI, GW-FD03, GW-022-LF,GW-022-LFDL, GW-020-NP, GW-014-NP, GW-019-LF.

		and GW-023-LF. Compounds Caprolactum, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate, Di-n-butylphthalate, Butylbenzylphthalate, bis(2-ethylhexyl)phthalate, and Di-n-octylphthalate are flagged (J) for detected values in the following samples: GW-ER03 and GW-028-LF. 4,6-Dinitro-methylphenol is flagged (J) for detected and (UJ) for non-detected values in GW-023-LFDL.
7. Lab-fortified blank	Y	Pentachlorophenol is flagged (J) for detected values and flagged (UJ) for non-detected values for all samples in the SDG. Both LFB had Pentachlorophenol outside QC limits.
8. Matrix spike/matrix spike duplicates	Y	The following compounds are outside the upper QC limits for sample GW-023-LF and are flagged (J) for detected values and non-detects are accepted: Pentachlorophenol and 4-Chloro-3-methylphenol. Acenaphthene was outside the lower QC limits and is flagged (J) for detects and flagged (UJ) for non-detects.
9. Field duplicates	Y	N-Nitrosodiphenylamine was outside the RPD in the field duplicates, It is flagged (J) in GW-026-LF.
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
SIMS-PAH Organic Data Review Summary

SDG No./Matrix: B1587 Groundwater **Completion Date:** 12-7-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	Y	GW-019-NP was outside the extraction time. Detected values are flagged (J) and non-detected values are flagged (UJ).
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	N	
7. Lab-fortified blank	Y	Fluorene, 2-Methylnapthalene, Acenanaphthylene, and Acenaphthene had low recoveries and are flagged (J) for detected values and (UJ) for non-detected values in all but sample GW-019-NP.
8. Matrix spike/matrix spike duplicates	N	
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
Pest/PCB Organic Data Review Summary

SDG No./Matrix: B1587 Ground water **Completion Date**: 12-7-03

Project No.: 300-1821 / 0400 **Reviewer**: Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Instrument performance	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	Y	Alpha-BHC, Beta-BHC, Gamma-BHC, Delta-BHC, Heptachlor, and Aldrin are flagged (J) for detected values in the following samples: GW-027-LF, GW-028-LF, GW-024-NP, GW-025-UI, GW-FD03, GW-023-LF, GW-021-LF, and GW-014-LF.
7. Matrix spike/matrix spike duplicates	N	
8. Field duplicates	N	
9. Compound quantitation and reporting	N	
10. Florisil cartridge performance check	N	

Tier II
Inorganic Data Review Summary

SDG No./Matrix: B1587 Groundwater **Completion Date:** 12-3-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	Y	Silver is qualified with a (UJ) flag for non-detected values, and is qualified with a (J-) flag for values that are > the MDL and <2XCRDL. Manganese and Nickel are qualified with a flag (J+) for values that are > the MDL and <2X CRDL. The non-detected values and values >2X CRDL are accepted. Chromium values >MDL are Rejected (R).
4. Blanks:		
4A - Laboratory	Y	Cyanide is flagged (J-) for detected values, and flagged (UJ) for non-detected values.
4B - Equipment Rinsate	Y	Note that all detected analytes were flagged (B) in the equipment rinsate blank. Barium, Calcium, cobalt, copper, iron, magnesium, manganese, nickel, potassium, sodium, and zinc were detected in the blank. All samples in the SDG have been flagged (F) for the detected analytes.
5. Interference check sample	Y	Selenium is flagged (J-) for detected values in all samples within the SDG, and flagged (UJ) for non-detected values.
6. Lab-fortified blank	N	Cyanide is not reviewed in aqueous solutions.
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	Y	Iron is flagged (J) for detects GW-023-LF and accepted for non detects.
10. ICP serial dilution	N	
11. Sample quantitation and reporting	N	

Tier II
Low Level Arsenic Data Review Summary

SDG No./Matrix: B1587 Groundwater **Completion Date:** 12-3-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	Y	In the equipment rinsate blank, Arsenic is detected, but it is below the detection limit. Samples are flagged (F).
5. Interference check sample		
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution		
11. Sample quantitation and reporting	N	

Tier II
Wet Chemistry Data Review Summary

SDG No./Matrix: B1587 Groundwater **Completion Date:** 12-3-03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration		
4. Blanks:		
4A - Laboratory	Y	Chloride present in method blank. Chloride is flagged (J) for detected values, and flagged (UJ) for non-detected values.
4B - Equipment Rinsate	Y	Chloride was detected in the equipment rinsate blank. All samples are flagged (F).
5. Interference check sample		
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution		
11. Sample quantitation and reporting	N	

Appendix I3 Surface Water

SHIELD
ENVIRONMENTAL ASSOCIATES, INC.

Memorandum

To: Alison Dunn, Debbie Howard

Through: Barbara Jones

From: Karen Thompson

Date: 12/19/03

Subject: Peterson/Puritan Data Validation Review, 3001821, Task 0400
SDG B1373 (Surface Water)

Enclosed are seven tables and marked Form Is that summarize the Tier II data validation process for B1373, Surface Waters. The data package reviewed was complete, and reflected standard and acceptable analytical practices. Mitkem performed re-analyses or dilutions as specified in the QA/QC protocols when results exceeded certain QC criteria.

Each table (VOA, SVOA, SIMS-PAH, Pest/PCB, Inorganic, Wet Chemistry, Low Level Arsenic) has a column titled *Data Qualified (Yes/No)*. This reflects whether or not our review process has resulted in an additional flag or qualifier on the data, beyond flags or qualifiers that may already have been applied by the laboratory. In some cases qualifiers overlap, for example, a sample could be qualified based on internal standard results and surrogate recovery. If it is the same qualifier, such as J, it is only applied one time. If different qualifiers apply, such as J or R, the more restrictive qualifier is applied.

SDG# B1373 contains the following field samples (not including re-analyses or dilutions of individual samples): **SW-001-UI, SW-002-UI, SW-003-UI, SW-005-UI, SW-006-UI, SW-007-UI, SW-008-BR, SW-009-WT, SW-010-WT, and SW-011-WT**. Note that SW-004-UI was not collected because water was not present in the pond. Also, note that the MS/MSD was taken with SW-001-UI, the field duplicate is associated with SW-003-UI, and an equipment rinsate blank was collected with the SDG. Flags (F) for compounds and analytes detected in the equipment rinsate blank have been applied to the entire SDG.

The following table shows which trip blanks are associated with the samples in this SDG. Compounds detected in the trip blank have been flagged (T) in the corresponding sample.

Trip Blank	***Samples***
SW-TB01	SW-001-UI, SW-002-UI
SW-TB02	SW-003-UI
SW-TB03	SW-005-UI
SW-TB04	SW-006-UI
SW-TB05	SW-007-UI, SW-008-BR
SW-TB06	SW-009-WT
SW-TB07	SW-010-WT, SW-011-WT

Numerous samples have been qualified based on this review. The typical qualification applied to detected constituents is J for estimated; the J qualifier has also been applied to nondetects in some cases, resulting in a designation of UJ. Also, numerous samples have been re-analyzed.

The following samples with re-analyses were accepted:

Pest/ PCB analysis
SW-001-UIRE, SW-002-UIRE, SW-ER01RE, SW-003-UIRE, SW-006-UIRE, SW-005UIRE, SW-FD01RE

SIMS-PAH analysis
SW-003-RE and SW-005RE

SVOA analysis
Accept SW-005-UIRE and SW-003-UIRE.

Thank you for the opportunity to perform this data review.

Tier II
VOA Organic Data Review Summary

SDG No./Matrix: B1373 **Completion Date:** 11/11/03

Project No.: 300-1821 (0400) **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	Y	All samples within the SDG was flagged (J) for detected values of Acetone. The following samples were qualified with a (J) flag in detected values and a (UJ) flag for non-detected values for Methylene Chloride, 2-Hexanone, and Bromoform: **SW-001-UI, SW-001-UI (MS/MSD), SW-002-UI, SW-003-UI, SW-005-UI, SW-006-UI, SW-007-UI, SW-008-BR, SW-ER01** The following samples were qualified with a (J) flag in detected values and a (UJ) flag for non-detected values for Chloroethane, 2-Butanone, 4-Methyl-2-Pentanone, and 2-Hexanone: **SW-009-WT, SW-010-WT, and SW-011-WT.**
5. Blanks:		
5A - Laboratory blanks	Y	All samples within the SDG for detected values of Methylene Chloride have a new detection limit of 0.66 ug/L and 0.73 ug/L. For samples **SW-009-WT, SW-010-WT, and SW-011-WT**, 2-Hexanone and 1,2,3 Trichlorobenzene was detected in the Method blank. No Action was taken since those compounds were non-detect in the samples.
5B - Trip blanks	Y	See table in attached Memo
5C - Equipment Rinsate	Y	Methylene Chloride was detected. A flag (F) is given to all samples in SDG for that compound.

6. Surrogate recovery	Y	Surrogate Recoveries were outside QC limits for the following samples: **SW-006-UI, SW-FD01, SW-009-WT, SW-010-WT, SW-001-UIMS, SW-002-UI, SW-003-UI, SW-005-UI, SW-007-UI, SW-ER01, and SW-008-BR.** The following compounds are flagged (J) for detected values in SW-001-UIMS, SW-002-UI, SW-003-UI, SW-005-UI, SW-007-UI, SW-008-UI: Dibromochloromethane, 1,2'-Dibromomethane, Bromoform, Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, and Carbon Disulfide. The following compounds are flagged (J) for detected values and (UJ) for not detected values in SW-002-UI: 4-Methyl-2-Pentanone and 2-Hexanone. The following compounds are flagged (J) for detected values in SW-006-UI and SW-FD01: Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, and Carbon Disulfide. The following compounds are flagged (J) for detected values in SW-009-WT: Dibromochloromethane, 1, 2'-Dibromomethane, and Bromoform.
7. Lab-fortified blank	N	
8. Matrix spike/matrix spike duplicates	N	
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
SVOA Organic Data Review Summary

SDG No./Matrix: B1373 / Surface Water **Completion Date:** 11/14/03

Project No.: 300-1821 (0400) **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	All samples were qualified with a (J) flag in detected values and a (UJ) in non-detected values for the following compounds: 3-Nitroanaline, 4-Nitroanaline, Atrazine, and 3, 3'-Dichlorobenzidine.
4B - Continuing	Y	The following samples were qualified with a (J) flag in detected values and a (UJ) flag for non-detected values for Benzaldehyde, 2,2'-oxybis(1-Chloropropane), 4-Chloroaniline, Caprolactum, 3-Nirtoaniline, 4-Nitrophenol, Pyrene, 3,3'-Dichlorobenzidine, and Chrysene: **SW-001-UI, SW-001-UI (MS/MSD), SW-002-UI, SE-ER01, SW-003-UI, SW-005-UI, SW-006-UI, SW-FD01.** The following samples were qualified with a (J) flag in detected values and a (UJ) flag for non-detected values for 2,2'-oxybis(1-Chloropropane), Caprolactum, 2-Nitroaniline, 3-Nirtoaniline, 4-Nitrophenol, Atrazine, Pentachlorophenol, Pyrene, and 3,3'-Dichlorobenzidine: **SW-007-UI, SW-008-BR, SW-009-WT, SW-010-WT, SW-011-WT.** The following samples were qualified with a (J) flag in detected values and a (UJ) flag for non-detected values for 2,2'-oxybis(1-Chloropropane), 4-Chloroaniline, Caprolactum, 3-Nirtoaniline, 4-Nitroaniline, 4-Nitrophenol, N-Nitrosodiphenylamine, and Atrazine: **SW-003-UIRE, SW-005-UIRE.**

		Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, and Benzo(g,h,i)perylene. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in SW-003-UI: 2-Methylphenol, 4-Methylphenol, 2,4-Dimethylphenol, Caprolactum, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate, Di-n-butyl phthalate, Butylbenzylphthalate, bis(2-ethylhexyl) phthalate, Di-n-octylphthalate, Naphthalene, 2-Methylnaphthalene, 2-chloronaphthalene, Acenaphthylene, Acenaphthalene, Dibenzofuran, Fluorene, 4-Chlorophenyl-phenylether, 4-Bromophenyl-phenylether, 4,6-Dinitro-methylphenol, Hexachlorobenzene, Atrazine, Phenathrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, and Chrysene. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in SW-005-UI: Caprolactum, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate, Di-n-butyl phthalate, Butylbenzylphthalate, bis(2-ethylhexyl) phthalate, Di-n-octylphthalate, Naphthalene, 2-Methylnaphthalene, 2-chloronaphthalene, Acenaphthylene, Acenaphthalene, Dibenzofuran, Fluorene, 4-Chlorophenyl-phenylether, 4-Bromophenyl-phenylether, 4,6-Dinitro-methylphenol, Hexachlorobenzene, Atrazine, Phenathrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, and Chrysene. The following compounds are flagged (J) for detected values and flagged (UJ) for non-detected values in SW-003-UIRE: Naphthalene, 2-Methylnaphthalene, 2-chloronaphthalene, Acenaphthylene, Acenaphthene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, and Benzo(g,h,i)perylene.

7. Lab-fortified blank	Y	Pentachlorophenol is flagged **(J)** for detected values and flagged **(UJ)** for non-detected values for the following samples: **SW-001-UI, SW-001-UI (MS/MSD), SW-002-UI, SW-003-UI, SW-003-UIRE, SW-005-UI, SW-005-UIRE, SW-006-UI, SW-ER01, and SW-FD01.**
8. Matrix spike/matrix spike duplicates	Y	Pentachlorophenol and N-Nitroso-di-n-prop were flagged. The flags were superceded by the Surrogate Recovery flags above.
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
SIMS-PAH Organic Data Review Summary

SDG No./Matrix: B1373 / Surface Water	**Completion Date**: 11/14/03
Project No.: 300-1821 (0400)	**Reviewer**: Karen Thompson
Laboratory: Mitkem Corporation	

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	Y	Surrogate Recoveries were outside QC limits for **SW-003-UI and SW-005-UI**. All compounds detected in these samples are qualified with a (J) flag, and non-detects are qualified with a (UJ) flag.
7. Lab-fortified blank	Y	Benzo(a)pyrene was flagged (J) in all samples with a detected value in this SDG.
8. Matrix spike/matrix spike duplicates	N	
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
Pest/PCB Organic Data Review Summary

SDG No./Matrix: B1373 / Surface Water **Completion Date:** 11/13/03

Project No.: 300-1821 (0400) **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Instrument performance	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	Y	The following samples were outside QC limits for 4, 4'- DDT, Endrin, and Methoxychlor: **SW-001-UI, SW-001-UI (MS/MSD), SW-002-UI, SW-ER01, SW-003-UI, SW-005-UI, SW-006-UI, and SW-FD01**. For those compounds listed above that are detected, a (J) flag has been added. A (UJ) flag has been added to non-detects. The following samples were outside QC limits for 4, 4'-DDT: **SW-001UIRE, SW-002-UIRE, SW-ER01RE, SW-003-UIRE, SW-005UIRE, SW-006-UIRE and SW-FD01RE.** For those compounds listed above that are detected, a (J) flag has been added. A (UJ) flag has been added to non-detects.
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	Y	The following compounds are (J) qualified for detected values in SW-001-UIRE, SW-005-UIRE, SW-007-UI, SW-008-UI, SW-009-WT, and SW-010-WT: BHC compounds, Heptachlor, and Aldrin. SW-001-UIRE is also (UJ) qualified for the same compounds that are non-detect. SW-001-UI is qualified (J) for detected values and (UJ) for non-detected values for all compounds except BHC compounds, Heptachlor, and Aldrin.
7. Matrix spike/matrix spike duplicates	N	Some of the compounds in the Matrix Spike Duplicate Recoveries are outside QC limits, but these are advisory limits only.
8. Field duplicates	N	
9. Compound quantitation and reporting	N	
10. Florisil cartridge performance check	N	

Tier II
Inorganic (Metals) Data Review Summary

SDG No./Matrix: B1373 / Surface Water **Completion Date:** 11/13/03

Project No.: 300-1821 (0400) **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	Y	The following analytes were detected in the equipment rinsate blank: **Barium, Calcium, Iron, Magnesium, Manganese, Nickel, Sodium, and Zinc**. A **(F)** flag should be applied to all samples for these analytes in the SDG.
5. Interference check sample	N	
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution	Y	The following analytes were outside the QC limits for serial dilution: **Aluminum, Cadmium, Chromium, Copper, Cobalt, Magnesium, Nickel, Potassium, Silver, Vanadium, and Zinc**. A **(J)** flag should be applied to all the above analytes in the SDG that are greater than the MDL. For those analyte values below the MDL, a **(UJ)** flag should be applied.
11. Sample quantitation and reporting	N	

Tier II
Inorganic (Low Level Arsenic) Data Review Summary

SDG No./Matrix: B1373 / Surface Water **Completion Date:** 11/13/03

Project No.: 300-1821 (0400) **Reviewer:** Karen Thompson

Laboratory: Brooks Rand

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	Brooks Rand re-analyzed SW-ER01 and SW-011-WT. The re-analyses of these samples should be accepted
4B - Equipment Rinsate	Y	Arsenic was present in the equipment rinsate blank. A (F) flag should be applied to all low level arsenic results in SDG.
5. Interference check sample	N/A	
6. Lab-fortified blank	N/A	
7. Laboratory duplicate sample	N/A	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution	N/A	
11. Sample quantitation and reporting	N	

Tier II
Inorganic (Wet Chemistry) Data Review Summary

SDG No./Matrix: B1373 / Surface Water	**Completion Date:** 11/13/03
Project No.: 300-1821 (0400)	**Reviewer:** Karen Thompson
Laboratory: Mitkem	

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N/A	
4. Blanks:		
4A - Laboratory	N	TOC, Ammonia, and Chloride present in Method Blanks. No action taken since data validation criteria do not apply to wet chemistry analysis
4B - Equipment Rinsate	N/A	
5. Interference check sample	N/A	
6. Lab-fortified blank	N/A	
7. Laboratory duplicate sample	N/A	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	Y	Nitrite and Ortho-phosphate were outside quality control limits. Flag detects on SW-011-WTas J value
10. ICP serial dilution	N/A	
11. Sample quantitation and reporting	N/A	

Memorandum

To: Alison Dunn, Debbie Howard

Through: Barbara Jones

From: Karen Thompson KET

Date: 11/26/03

Subject: Peterson/Puritan Data Validation Review, 3001821, Task 0400
SDG B1406 (Surface Water)

Enclosed are seven tables and marked Form Is that summarize the Tier II data validation process for B1406, Surface Waters. The data package reviewed was complete, and reflected standard and acceptable analytical practices. Mitkem performed re-analyses or dilutions as specified in the QA/QC protocols when results exceeded certain QC criteria.

Each table (VOA, SVOA, SIMS-PAH, Pest/PCB, Inorganic, Wet Chemistry, Low Level Arsenic) has a column titled *Data Qualified (Yes/No)*. This reflects whether or not our review process has resulted in an additional flag or qualifier on the data, beyond flags or qualifiers that may already have been applied by the laboratory. In some cases qualifiers overlap, for example, a sample could be qualified based on internal standard results and surrogate recovery. If it is the same qualifier, such as J, it is only applied one time. If different qualifiers apply, such as J or R, the more restrictive qualifier is applied.

SDG# B1406 contains the following field samples (not including re-analyses or dilutions of individual samples): **SW-012-WT, SW-013-WT, SW-014-WT, SW-015-WT, SW-016-WT, SW-017-WT, SW-020-WT, SW-021-WT, SW-022-WT, SW-023-BR, SW-024-BR, SW-025-BR, SW-026-BR, SW-027-BR, and SW-028-BR** . Note that SW-018-WT and SW-019-WT were not collected because water was not present in the wetland area. Also, note that the MS/MSD was taken with SW-028-BR, the field duplicate is associated with SW-026-BR, and an equipment rinsate blank was collected with the SDG. Flags (F) for compounds and analytes detected in the equipment rinsate blank have been applied to the entire SDG.

The following table shows which trip blanks are associated with the samples in this SDG. Compounds detected in the trip blank have been flagged (T) in the corresponding sample.

Trip Blank	*Samples*	*Compounds Detected*
SW-TB08	SW-012-WT thru SW-016-WT	Methylene Chloride
SW-TB09	SW-017-WT, SW-020-WT, SW-021-WT	Methylene Chloride
SW-TB10	SW-022-WT thru SW-025-BR	Chloromethane, Methylene Chloride, Dibromochloromethane
SW-TB11	SW-SW-026-BR and SW-FD02	Chloromethane, Methylene Chloride
SW-TB12	SW-027-BR	Methylene Chloride
SW-TB13	SW-028-BR and MS/MSD	Methylene Chloride
SW-TB14	SW-ER02	Methylene Chloride, Acetone

Numerous samples have been qualified based on this review. The typical qualification applied to detected constituents is J for estimated; the J qualifier has also been applied to nondetects in some cases, resulting in a designation of UJ. Also, numerous samples have been re-analyzed.

The following samples with re-analyses were accepted:

Pest/ PCB analysis
SW-012-WTRE thru SW-021-WTRE.

Thank you for the opportunity to perform this data review.

Tier II
VOA Organic Data Review Summary

SDG No./Matrix: B1406 / Surface Water **Completion Date:** 11/19/03

Project No.: 300-1821/ 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y **	Acetone is qualified in all samples with a (J) flag for detects and a (R) flag for non-detects. Methylene Chloride is qualified in all samples with a (J) flag for detects and a (UJ) flag for non-detects.
4B - Continuing	Y **	The following samples were flagged (J) for detects and (UJ) for non-detects for Bromomethane, Chloromethane, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Methyl Acetate, and Isopropyl benzene: SW-FD02, SW-028-BRMSD, and SW-ER02. The following samples were flagged (J) for detects and (R) for non-detects for Acetone and 2-Butanone: SW-FD02, SW-028-BRMSD, and SW-ER02. The following samples were flagged (J) for detects and (UJ) for non-detects for Chloromethane, 2-Butanone, 4-Methyl-2-Pentaone, and 2-Hexanone: SW-012-WT thru SW-022-WT. Acetone was flagged (J) for detects in the same set of samples. Acetone is flagged (J) for detects and (R) for non-detects, and Methyl Acetate is flagged (J) for detects and (UJ) for non-detects in the following samples: SW-023-BR thru SW-028-BR, and SW-028-BRMS.

5. Blanks:		
5A - Laboratory blanks	Y	All Laboratory Blanks contained Methylene Chloride and were flagged appropriately. Note that 2-Hexanone was detected below the PQL in method blank associated with the following samples: SW-023-BR thru SW-028-BR including the MS/MSD samples for SW-028-BR.
5B - Trip blanks	Y	See table in Cover Memorandum
5C - Equipment Rinsate	Y	Methylene Chloride is flagged (F) in all samples.
6. Surrogate recovery	Y	One or more surrogates were above the QC limits for the following samples: SW-020-WT, SW-023-BR, SW-024-BR, SW-025-BR, and SW-028-BR. Appropriate compounds in these samples that were detected are flagged (J). One or more surrogates were below QC limits for the following samples: SW-014-WT, SW-026-BR, SW-027-BR, SW-FD02, and SW-028-BRMS. Appropriate compounds in these samples that were detected are flagged (J), and all non-detects are flagged (UJ).
7. Lab-fortified blank	N	
8. Matrix spike/matrix spike duplicates	Y	All RPDs are outside QC limits. SW-028-BR is flagged (J) for detects and (R) for non-detects.
9. Field duplicates	Y	Methyl tert –Butyl ether is flagged (J) in the field duplicate
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

* SW-018-WT and SW-019-WT were not collected

** Note two (2) surrogates (2-Butanone-d5, 2-Hexanone-d5) were outside QC limits for initial calibration. 2-Butanone-d5 was also outside QC limits for the continuing calibration.

Tier II
SVOA Organic Data Review Summary

SDG No./Matrix: B1406 / Surface Water **Completion Date:** 11/29/03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	Calibrations were outside QC limits for the following compounds: 3-Nitroaniline, 4-Nitroaniline, Atrazine, and 3, 3'- Dichlorobenzidine. All samples in SDG should be flagged (J) for the above compounds detected, and flagged (UJ) for the above compounds not-detected.
4B - Continuing	Y**	The following samples were flagged (J) for detects and (UJ) for non-detects for 2,2'-oxybis(1-Chloropropane), Caprolactum, 2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, Atrazine, Pentachlorophenol, Pyrene, 3,3'-Dichlorobenzidine: SW-012-WT, SW-013-WT, SW-015-WT, SW-016-WT, SW-022-BR, and SW-023-BR. The following samples were flagged (J) for detects and (UJ) for non-detects for Benzaldehyde, 2,2'-oxybis(1-Chloropropane), Caprolactum, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, Atrazine, and Chrysene: SW-017-WT, SW-014-WT, SW-020-WT, SW-021-WT, SW024-BR, SW-025-BR, SW-026-BR, SW-027-BR, SW-028-BR.
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	Y	Surrogate Recoveries were outside QC limits for the following samples: SW-025-BR, SW-027-BR, and SW-028-BR. All detected compounds in the above sample are flagged (J), and all non-detects are accepted.

7. Lab-fortified blank	N	
8. Matrix spike/matrix spike duplicates	N	Matrix Spike recoveries were outside QC limits for Pentachlorophenol. The non-detected value is accepted.
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

* SW-018-WT and SW-091-WT were not collected.
** Surrogates, 4-Methylphenol-d8 and 4-Nitrophenol-d4 were out QC limits.

Tier II
SIMS-PAH Data Review Summary

SDG No./Matrix: B1406 Surface Water	**Completion Date**: 11/26/03
Project No.: 300-1821 / 0400	**Reviewer**: Karen Thompson
Laboratory: Mitkem Corporation	

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	2-Methylnaphthalene is flagged (J) for detected values, and flagged (UJ) for non-detected values in all samples in the SDG.
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	N	
7. Lab-fortified blank	Y	Benzo(a)pyrene is flagged (J) for detected values and accepted (A) for non-detected values in the following samples: SW-012-WT thru SW-021-WT.
8. Matrix spike/matrix spike duplicates	N	
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

* Samples SW-018-WT and SW-019-WT were not collected.

Tier II
Pest/PCB Organic Data Review Summary

SDG No./Matrix: B1406 Surface Water **Completion Date:** 11/26/03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Instrument performance	Y	The following samples were qualified: SW-016-WT thru SW-021-WT. They are flagged as follows: 4,4'-DDT and Methoxychlor are flagged (J) for detected values and (UJ) for non-detected values.
4. Calibration:		
4A - Initial	Y	SW-012-WT thru SW-021-WT is flagged (J) for detects and (UJ) for non-detects for 4,4'-DDT and Methoxychlor. Because of the low recoveries, Mitkem reanalyzed samples SW-012 thru SW-021.
4B - Continuing	Y	4,'-DDD, 4,4'-DDT and Methoxychlor are flagged (J) for detected values and flagged (UJ) for non-detected values in the following samples: SW-012-WTRE thru SW-021-WTRE.
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment rinsates	N	
6. Surrogate recovery	Y	Surrogate recoveries were higher than the QC limits. The following samples are flagged (J) for all detected compounds: SW-013-WT, SW-016-WT, SW-020-WT, SW-021-WT, SW-013-WTRE, SW-016-WTRE, SW-020-WTRE, SW-021-WTRE, SW-023-BR, SW-024-BR, SW-022-WT, SW-026-BR, SW-028-BR, SW-ER02.
7. Matrix spike/matrix spike duplicates	N	Note that 4,4'-DDT were outside the QC limits for the Matrix Spike.
8. Field duplicates	N	
9. Compound quantitation and reporting	N	
10. Florisil cartridge performance check	N	

* Samples SW-018-WT and SW-019-WT were not collected.

Samples SW-012-WT thru SW-021-WT were re-analyzed because of low recoveries in the initial calibration.

Tier II
Inorganic Data Review Summary

SDG No./Matrix: B1406 **Completion Date:** 11/26/03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corportation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	Y	Chromium R% ≥ 180, therefore all results for Chromium above the MDL receive a (R) flag. Selenium and Nickel are flagged (J+) if the sample is above the MDL and below 2X. Silver is flagged (J) for detected values and flagged (UJ) for non-detected values.
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	Y	Sodium and Barium are flagged (F) in all samples in SDG.
5. Interference check sample	N	
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	Y	Cobalt and Zinc both have %RPD > 200. SW-022-WT is flagged (J) for detected values and flagged (UJ) for non-detected values for those analytes.
8. Field duplicate sample	Y	Manganese is flagged (J) for detected values in both SW-026-BR and SW-FD02 in the total metals samples. Chromium is flagged (J) in SW-FD02. Copper is flagged (J) in both SW-026-BR and SW-FD02 dissolved metals samples.
9. Matrix spike sample analysis	N	
10. ICP serial dilution	N	
11. Sample quantitation and reporting	N	

* Samples SW-018-WT and SW-019-WT were not collected.

Tier II
Low Level Arsenic Data Review Summary

SDG No./Matrix: B1406 Surface Water	**Completion Date**: 11/26/03	
Project No.: 300-1821 / 0400	**Reviewer**: Karen Thompson	
Laboratory: Brooks Rand		
Review Criteria	**Data Qualified Yes / No**	**Samples Qualified**
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	N	
5. Interference check sample	N/A	
6. Lab-fortified blank	N/A	
7. Laboratory duplicate sample	N/A	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution	NA	
11. Sample quantitation and reporting	NA	

* SW-018-WT and SW-019-WT were not collected.

Note: Filter blanks were sent to Brooks Rand from Mitkem with the dissolved Arsenic samples. Detections in the Filter Blank are flagged (T) in the sample.

Tier II
Wet Chemistry Data Review Summary

SDG No./Matrix: B1406 Surface Water	**Completion Date:** 11/26/03	
Project No.: 300-1821 / 0400	**Reviewer:** Karen Thompson	
Laboratory: Mitkem Corporation		
Review Criteria	**Data Qualified Yes / No**	**Samples Qualified**
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	NA	
5. Interference check sample	N/A	
6. Lab-fortified blank	N/A	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution	NA	
11. Sample quantitation and reporting	NA	

* SW-018-WT and SW-019-WT were not collected.

Memorandum

To: Alison Dunn, Debbie Howard

Through: Barbara Jones

From: Karen Thompson KET

Date: 12/01/03

Subject: Peterson/Puritan Data Validation Review, 3001821, Task 0400
SDG B1429 (Surface Water)

Enclosed are seven tables and marked Form Is that summarize the Tier II data validation process for B1429, Surface Waters. The data package reviewed was complete, and reflected standard and acceptable analytical practices. Mitkem performed re-analyses or dilutions as specified in the QA/QC protocols when results exceeded certain QC criteria.

Each table (VOA, SVOA, SIMS-PAH, Pest/PCB, Inorganic, Wet Chemistry, Low Level Arsenic) has a column titled *Data Qualified (Yes/No)*. This reflects whether or not our review process has resulted in an additional flag or qualifier on the data, beyond flags or qualifiers that may already have been applied by the laboratory. In some cases qualifiers overlap, for example, a sample could be qualified based on internal standard results and surrogate recovery. If it is the same qualifier, such as J, it is only applied one time. If different qualifiers apply, such as J or R, the more restrictive qualifier is applied.

SDG# B1429 contains the following field samples (not including re-analyses or dilutions of individual samples): **SW-029-BR, SW-30-BR, SW-031-BR, SW-032-BR, SW-033-BR, and SW-034-BR**. Also, note that the MS/MSD was taken with SW-030-BR, the field duplicate is associated with SW-029-BR, and an equipment rinsate blank was collected with the SDG. Flags (F) for compounds and analytes detected in the equipment rinsate blank have been applied to the entire SDG.

The following table shows which trip blanks are associated with the samples in this SDG. Compounds detected in the trip blank have been flagged (T) in the corresponding sample.

Trip Blank	*Samples*	*Compounds Detected*
SW-TB15	SW-029-BR	Methylene Chloride, Chloromethane
SW-TB16	SW-FD03	Methylene Chloride
SW-TB17	SW-030-BR	Chloromethane, Methylene Chloride
SW-TB18	SW-031-BR	Acetone, Methylene Chloride
SW-TB19	SW-032-BR	Methylene Chloride, Dibromo-Chloromethane
SW-TB20	SW-ER03	Methylene Chloride
SW-TB21	SW-033-BR	Methylene Chloride
SW-TB22	SW-034-BR	Methylene Chloride and TICs

Numerous samples have been qualified based on this review. The typical qualification applied to detected constituents is J for estimated; the J qualifier has also been applied to nondetects in some cases, resulting in a designation of UJ. A few analytes and compounds have been rejected, resulting in a designation R.

Thank you for the opportunity to perform this data review.

Tier II
VOA Organic Data Review Summary

SDG No./Matrix: B1429 / Surface Water **Completion Date:** 11/19/03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y**	Acetone and Methylene Chloride were both outside QC limits for the initial calibration. Acetone values are flagged (J) for detects and rejected (R) for non-detects. Methylene Chloride values are flagged (J) for detects and flagged (UJ) for non-detects.
4B - Continuing	Y**	Acetone is flagged (J) for detects and rejected (R) for non-detects in all samples in SDG. 2-Butanone is also flagged (J) for detects and rejected (R) for non-detects in sample SW-034-BR. Methyl Acetate is flagged (J) for detects and (UJ) for non-detects in sample SW-029-BR. Chloroethane, Bromomethane, Trichlorofluoromethane, Methyl Acetate, and Isopropylbenzene are flagged (J) for detects and flagged (UJ) for non-detects in the following samples: SW-030-BR, SW-031-BR, SW-032-BR, and SW-033-BR. Trichlorofluoromethane, Methyl Acetate, Methylene Chloride, 4-Methyl-2-Pentanone, and 2-Hexanone are flagged (J) for detects and flagged (UJ) for non-detects in sample SW-034-BR.

5. Blanks:		
5A - Laboratory blanks	Y	Methylene Chloride was detected in all laboratory blanks and is marked accordingly on each Form I.
5B - Trip blanks	Y	See attached Memorandum
5C - Equipment Rinsate	Y	Acetone and Methylene Chloride were detected in the Equipment Rinsate blank and are flagged (F) in all samples in SDG.
6. Surrogate recovery	Y	One or more surrogate recoveries were less than the lower QC limit , and were flagged (J) for detects and flagged (UJ) for non-detects in the following samples: SW-029-BR, SW-030-BR, SW-030-BR (MS), SW-032-BR, SW-033-BR. One or more surrogate recoveries were greater than the upper QC limit and were flagged (J) for detects and accepted for non-detects in the following samples: SW-030-BR (MSD), SW-031-BR, SW-034-BR.
7. Lab-fortified blank	N	1,1-Dichloroethene was outside the QC limits in the LFB, but was not detected in the sample.
8. Matrix spike/matrix spike duplicates	N	
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

**Two surrogates were outside the QC limits, 2-Butanone-d5 and 2-Hexanone-d5, for initial calibration. The continuing calibration had one surrogate outside the QC limits, 2-Hexanone-d5.

Tier II
SVOA Organic Data Review Summary

SDG No./Matrix: B1429 Surface Water	**Completion Date**: 11/26/03	
Project No.: 300-1821 / 0400	**Reviewer**: Karen Thompson	
Laboratory: Mitkem Corporation		
Review Criteria	**Data Qualified Yes / No**	**Samples Qualified**
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	Y	Compounds 3-Nitroaniline, 4-Nitroaniline, Atrazine, and 3,3'-Dichlorobenzidine were outside QC limits and are flagged (J) for detects and flagged (UJ) for non-detects in all samples in SDG.
4B - Continuing	Y**	Atrazine is flagged (J) for detect values SW-029-BR. 2, 2'-Oxybis (1-Chloropropane), 4-Chloroaniline, Caprolactum, 3-Nitroaniline, 4-Nitroaniline, 4-Nitrophenol, and N-Nitrosodiphenylamine are flagged (J) for detects and flagged (UJ) for non-detects in SW-029-BR. Caprolactum is flagged (J) for detect values in sample SW-030-BR. Benzaldehyde, 2, 2'-Oxybis- (1-Chloropropane), 2,4-Dinitrophenol, 4-Nitrophenol, Atrazine, and Chrysene are flagged (J) for detects and (UJ) for non-detects in sample SW-030-BR. Atrazine is flagged (J) for detects values in samples SW-031-BR, SW-032-BR, SW-033-BR, and SW-034-BR. 2,2'-oxybis-(1-Chloropropane), 4-Chloroaniline, Caprolactum, 4-Nitrophenol, N-Nitrosodiphenylamine, and Chrysene are flagged (J) for detects and flagged (UJ) for non-detects in samples SW-031-BR, SW-032-BR, SW-033-BR, and SW-034-BR.

5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	N	The only surrogates outside QC limits were associated with LFB
7. Lab-fortified blank	Y	Pentachlorophenol is flagged (J) for detects and flagged (UJ) for non-detects in the following samples: SW-031-BR, SW-032-BR, SW-033-BR, SW-034-BR.
8. Matrix spike/matrix spike duplicates	Y	Pentachlorophenol and 4-Nitrophenol are flagged (J) for detects and accepted for non-detects in sample SW-030-BR.
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

** Note that Fluoroene-d10 was outside continuing calibration QC limits for sample SW-029-BR.

Tier II
SIMS-PAH Data Review Summary

SDG No./Matrix: B1429 Surface Water	**Completion Date:** 11/26/03
Project No.: 300-1821 / 0400	**Reviewer:** Karen Thompson
Laboratory: Mitkem Corporation	

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. GC/MS tuning	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	N	
7. Lab-fortified blank	N	
8. Matrix spike/matrix spike duplicates	N	
9. Field duplicates	N	
10. Internal standards performance	N	
11. Compound quantitation and reporting	N	
12. Tentatively identified compounds	N	

Tier II
Pest/PCB Organic Data Review Summary

SDG No./Matrix: B1429 / Surface Water **Completion Date:** 11/24/03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Instrument performance	N	
4. Calibration:		
4A - Initial	N	
4B - Continuing	N	
5. Blanks:		
5A - Laboratory blanks	N	
5B - Equipment Rinsate	N	
6. Surrogate recovery	N	2^{ND} column was outside QC limits but 1^{st} column results were reported
7. Matrix spike/matrix spike duplicates	N	
8. Field duplicates	N	
9. Compound quantitation and reporting	N	
10. Florisil cartridge performance check	N	

Tier II
Inorganic Data Review Summary

SDG No./Matrix: B1429 Surface Water **Completion Date:** 11/26/03

Project No.: 300-1821 / 0400 **Reviewer:** Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	Y	Silver is flagged (J) for detects and rejected (R) for non-detects in all samples in SDG.
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	Y	All detected values in SW-ER03 were flagged (B). The following analytes are flagged (F) in all samples in SDG: Barium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, and Zinc.
5. Interference check sample	N	
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	Y	Both Chromium and Vanadium had RPD at 200%. Both analytes are flagged (J) for detects and flagged (UJ) for non detects in sample SW-030-BR.
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution	N	
11. Sample quantitation and reporting	N	

Tier II
Low Level Arsenic Data Review Summary

SDG No./Matrix: B1429 Surface Water	**Completion Date:** 11/26/03
Project No.: 300-1821 / 0400	**Reviewer:** Karen Thompson
Laboratory: Brooks Rand Corporation	

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	N	
5. Interference check sample	N	
6. Lab-fortified blank	N	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution	NA	
11. Sample quantitation and reporting	N	

The filtered samples have a flagged (T) for samples where Arsenic is found in the filter blank.

Click Here to Continue to Appendix J

Tier II
Wet Chemistry Data Review Summary

SDG No./Matrix: B1429 Surface Water **Completion Date**: 11/26/03

Project No.: 300-1821 / 0400 **Reviewer**: Karen Thompson

Laboratory: Mitkem Corporation

Review Criteria	Data Qualified Yes / No	Samples Qualified
1. Data completeness	N	
2. Preservation/holding time	N	
3. Calibration	N	
4. Blanks:		
4A - Laboratory	N	
4B - Equipment Rinsate	N	
5. Interference check sample	NA	
6. Lab-fortified blank	NA	
7. Laboratory duplicate sample	N	
8. Field duplicate sample	N	
9. Matrix spike sample analysis	N	
10. ICP serial dilution	NA	
11. Sample quantitation and reporting	N	